



S
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STANFORD LINEAR ACCELERATOR CENTER
2575 SAND HILL ROAD
MENLO PARK, CALIFORNIA 94025

SHIPPING MEMORANDUM

NUMBER
122326

ATTN: DAVID TARKINGTON

DATE
5/25/05

VIA
U.S. MAIL

SHIP FROM
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~
5452 BETSY ROSS DRIVE
SANTA CLARA, CA 95054
408/764-5500

CUSTOMER ORDER NO. **SLAC9000056030** JOB NUMBER **49995.51972** PARTIAL COMPLETE OUR P.O. NO.

ITEM NO	QUANTITY	DESCRIPTION
1	1 SET	<p>ORIGINAL TEST DATA ON AS FOLLOWS:</p> <p>4 EACH TEMP & TPS (SEE INITIAL VISUAL)</p> <p>POST RANDOM AND SINE VIBRATION TESTING PER CUSTOMER INSTRUCTION</p>

CERTIFICATE OF CONFORMANCE

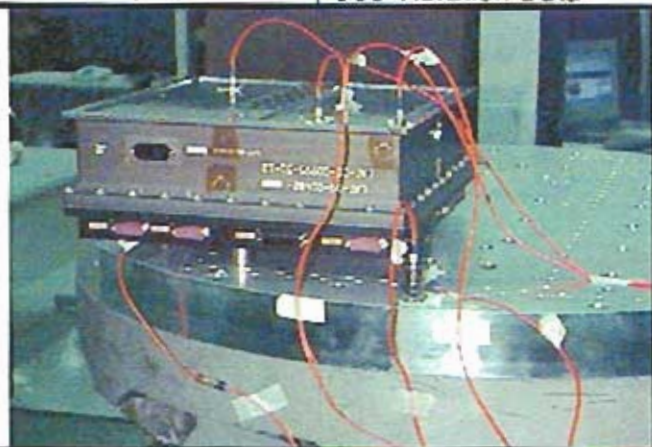
This is to certify that test data and/or certifications proving conformance to purchase order number N/A are on file and available for examination at WYLE LABORATORIES, under Job number N/A.

Quality Assurance Signature

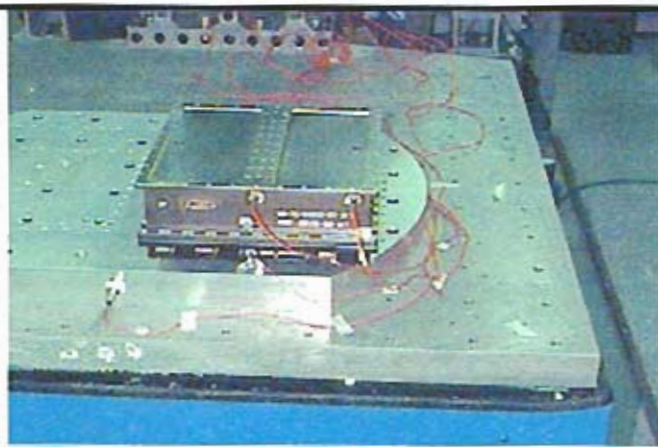
RECEIVED BY Mail	DATE 6/10/05	SHIPMENT AUTHORIZED BY: NAME JACK O. EAGAN
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TEST DATA

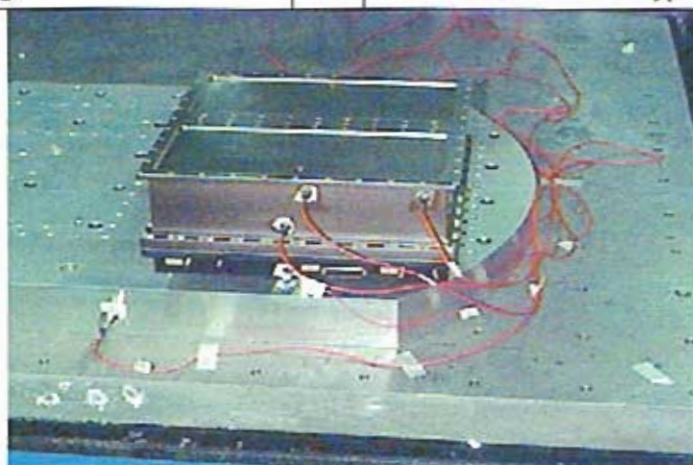
DATE STARTED 05-11-05	CUSTOMER Stanford Linear Accelerator	TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> WSC T-21
DATE COMPLETED 05-12-05	SPECIMEN DESCRIPTION TEM & TPS { See Initial Visual }	ENGINEER (SIGNATURE) <i>Jim Chesney</i> WSC Q-02
TEMPERATURE 73°F	TYPE OF TEST SET-UP - Detail	ENGINEER <i>Jim Chesney</i>
HUMIDITY 42%R.H.	MANUFACTURER Stanford Linear Accelerator	JOB NUMBER 49995.51972
SPECIMEN NUMBER 1 - 4	TEST SPECIFICATION See Vibration Data	



Z - Axis



X - Axis



Y - Axis



TEST DATA

DATE STARTED 05-11-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>W. Stahie</i> WSC 7-21	
DATE COMPLETED 05-12-05		SPECIMEN DESCRIPTION TEM / TPS (See Initial Visual)			ENGINEER (SIGNATURE) <i>Jim Chesney</i> NSC 10-02	
TEMPERATURE 74°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>Jim Chesney</i>	
HUMIDITY 35% R.H.		MANUFACTURER Stanford Linear Accelerator			JOB NUMBER 49995.51972	
SPECIMEN NUMBER 1 - 4		TEST SPECIFICATION SLAC LAT-TD-05649 & Customer Instruction				
SPECIMEN NUMBER	DATE	AXIS	TIME START	TIME STOP	VIBRATION FREQUENCIES AND LEVELS	REMARKS
-	05-11-05	X	1057	+0:04:18	Sine - Search 20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / axis	Sine Search;Fixture Only
-		X	1128	+0:01:00		Random Accept.;Fixture Only
1		X	1234	+0:04:18	Random - Accept. 20Hz @ 0.01 G ² /Hz 80 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz 6.79 Grms overall 1 minute / axis	Sine Search
		X	1253	+0:01:00		Random Accept.
		X	1307	+0:04:18		Sine Search
		Y	1335	+0:04:18		Sine Search
		Y	1352	+0:01:00	Random Accept.	
1		Y	1400	+0:04:18		Sine Search
2		X	1423	+0:04:18		Sine Search
		X	1443	+0:01:00		Random Accept.
		X	1449	+0:04:18		Sine Search
		X	1503	+0:04:18		Sine Search;2nd
		X	1512	+0:04:18		Sine Search;3rd
2	05-11-05	X	1534	+0:04:18		Sine Search;4th



TEST DATA

DATE STARTED 05-11-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> [Stamp: T-21]	
DATE COMPLETED 05-12-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>S. McQuinn</i> [Stamp: WSC Q-02]	
TEMPERATURE 74°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>S. McQuinn</i>	
HUMIDITY 35% R.H.		MANUFACTURER Stanford Linear Accelerator			JOB NUMBER 49995.51972	
SPECIMEN NUMBER 1 - 4		TEST SPECIFICATION SLAC LAT-TD-05649 & Customer Instruction				
SPECIMEN NUMBER	DATE	AXIS	TIME START	TIME STOP	VIBRATION FREQUENCIES AND LEVELS	REMARKS
2	05-11-05	Y	1554	+0:04:18	Sine - Search 20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / axis Random - Accept. 20Hz @ 0.01 G ² /Hz 80 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz 6.79 Grms overall 1 minute / axis	Sine Search
		Y	1606	+0:01:00		Random Accept.
2		Y	1614	+0:04:18		Sine Search
3		X	1633	+0:04:18		Sine Search
		X	1645	+0:01:00		Random Accept.
		X	1651	+0:04:18		Sine Search
		Y	1710	+0:04:18		Sine Search
		Y	1721	+0:01:00		Random Accept.
3		Y	1727	+0:04:18		Sine Search
4		X	1746	+0:04:18		Sine Search
		X	1757	+0:01:00		Random Accept.
		X	1804	+0:04:18		Sine Search
		Y	1821	+0:04:18		Sine Search
4	05-11-05	Y	1832	+0:01:00		Random Accept.



TEST DATA

DATE STARTED 05-11-05	CUSTOMER Stanford Linear Accelerator	TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> [WSC T-21]
DATE COMPLETED 05-12-05	SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }	ENGINEER (SIGNATURE) <i>P. McCleary</i> [WSC Q-02]
TEMPERATURE 74°F	TYPE OF TEST VIBRATION - Sine and Random - Non-Op.	ENGINEER <i>P. McCleary</i>
HUMIDITY 35% R.H.	MANUFACTURER Stanford Linear Accelerator	JOB NUMBER 49995.51972
SPECIMEN NUMBER 1 - 4	TEST SPECIFICATION SLAC LAT-TD-05649 & Customer Instruction	

SPECIMEN NUMBER	DATE	AXIS	TIME START	TIME STOP	VIBRATION FREQUENCIES AND LEVELS	REMARKS
2	05-12-05	Z	1447	+0:04:18	Sine - Search 20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / axis Random - Accept. 20Hz @ 0.01 G ² /Hz 80 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz 6.79 Grms overall 1 minute / axis	Sine Search Note: Specimens were returned to customer for a post test evaluation



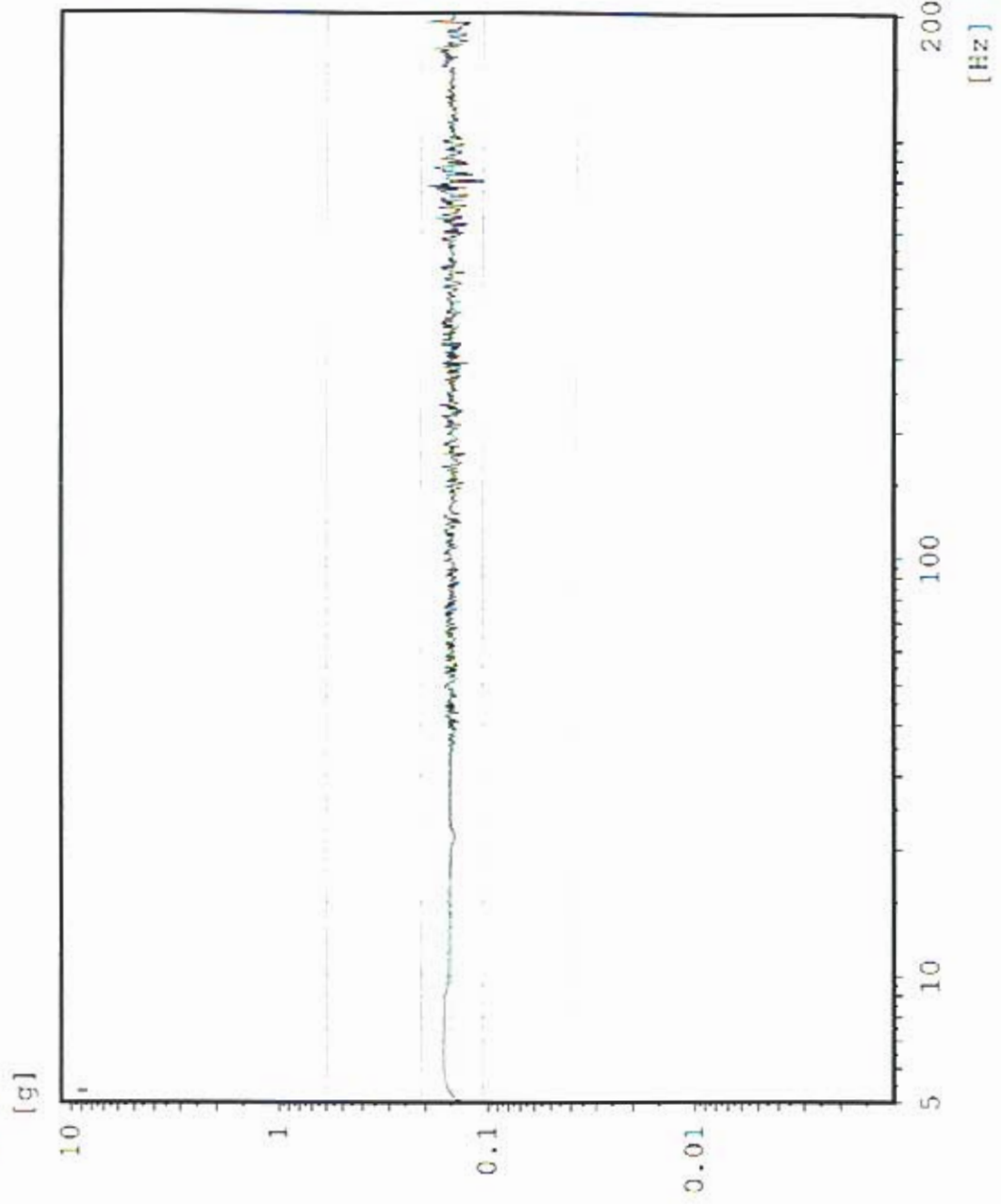
TEST DATA

DATE STARTED 05-11-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> 7-21	
DATE COMPLETED 05-12-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>Shane Chesney</i> WSC 0-02	
TEMPERATURE 74°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>Shane Chesney</i>	
HUMIDITY 35% R.H.		MANUFACTURER Stanford Linear Accelerator			JOB NUMBER 49995.51972	
SPECIMEN NUMBER 1 - 4		TEST SPECIFICATION SLAC LAT-TD-05649 & Customer Instruction				
SPECIMEN NUMBER	DATE	AXIS	TIME START	TIME STOP	VIBRATION FREQUENCIES AND LEVELS	REMARKS
4	05-11-05	Y	1836	+0:04:18	Sine - Search 20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / axis Random - Accept. 20Hz @ 0.01 G ² /Hz 80 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz 6.79 Grms overall 1 minute / axis	Sine Search
-		Z	1920	+0:04:18		Sine Search; Fixture Only
-			1933	+0:01:01		Random Accept.; Fixture Only
4		Z	2024	+0:04:18		Sine Search
			2049	+0:01:01		Random Accept.
4			2056	+0:04:18		Sine Search
3			2121	+0:04:18		Sine Search
			2132	+0:01:01		Random Accept.
3	05-11-05		2137	+0:04:18		Sine Search
1	05-12-05		1256	+0:04:18		Sine Search
			1309	+0:01:00	Random Accept.	
1			1317	+0:04:18	Sine Search	
2			1422	+0:04:18	Sine Search	
2	05-12-05	Z	1437	+0:01:01	Random Accept.	

CX1 X-Axis Control



Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

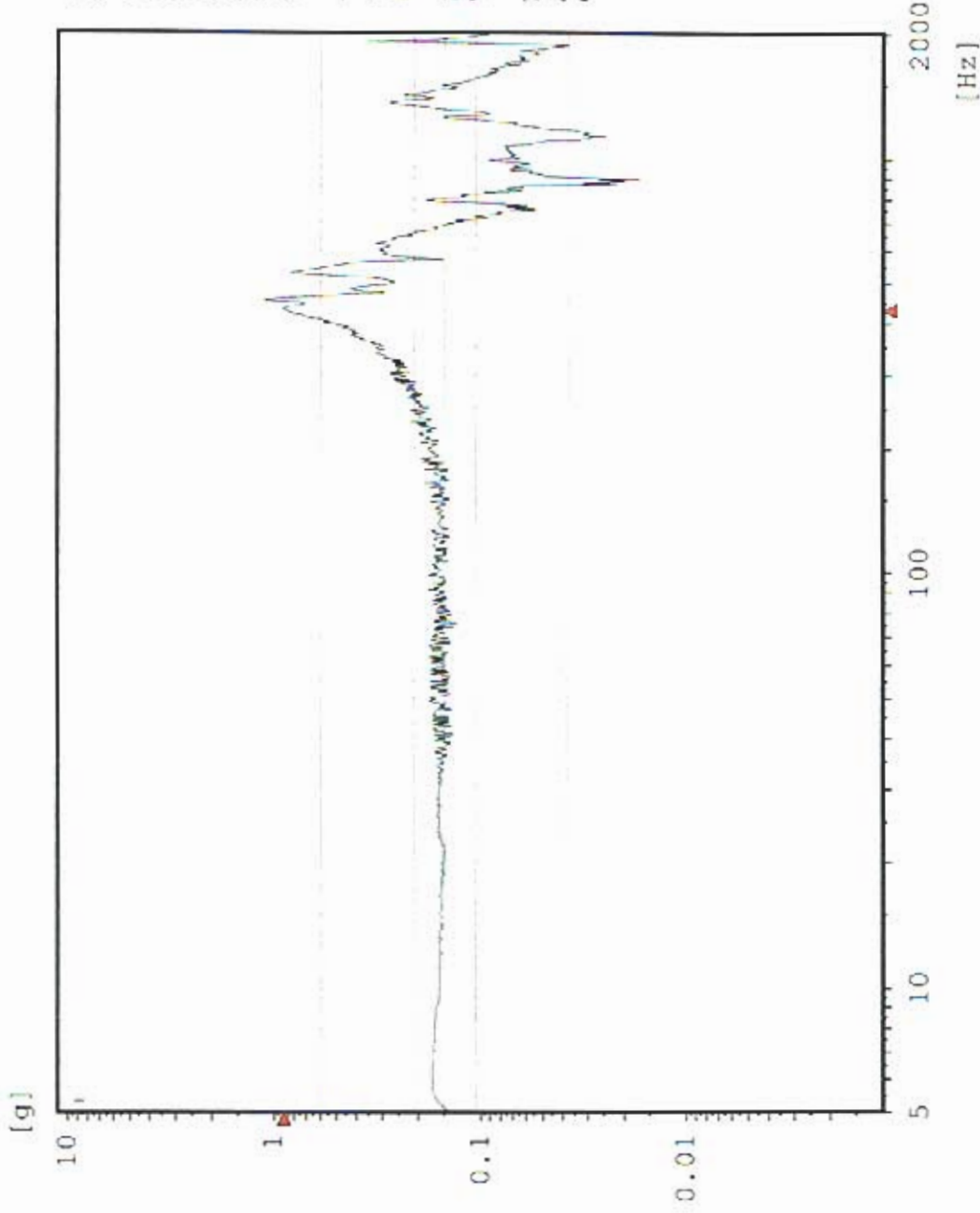
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-11-05
Time: 16:37:31

X - axis Pre Random
Acceptance Unit
GLAT 1834

AX3 TPS top center

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 2
 Chan.type: X Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

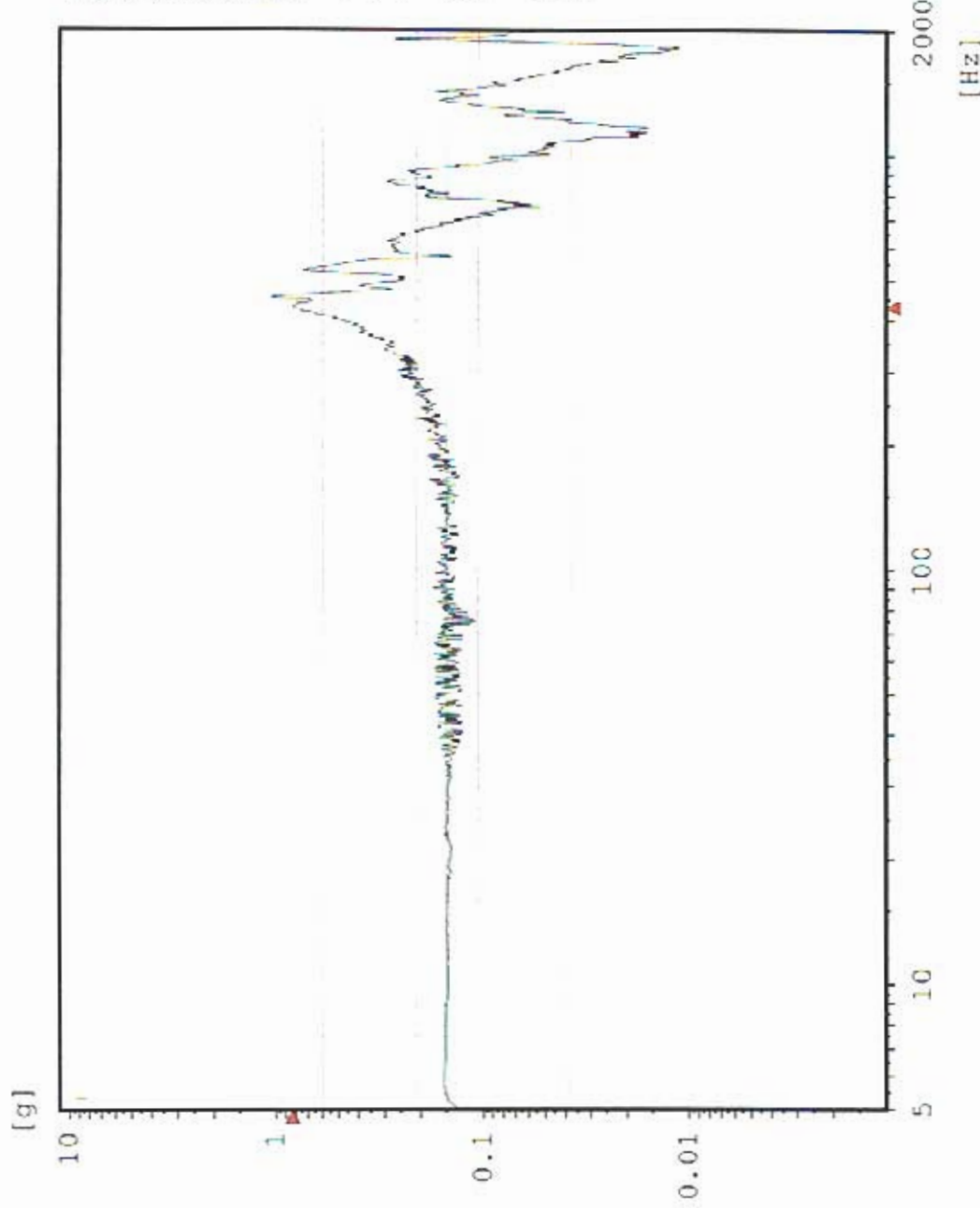
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:37:31

X - axis Pre Random
 Acceptance Unit
 GLAT 1834

AX4 TPS top edge

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 3 M Filtered
 Chan.type: logarithmic
 Sweep type: 1
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

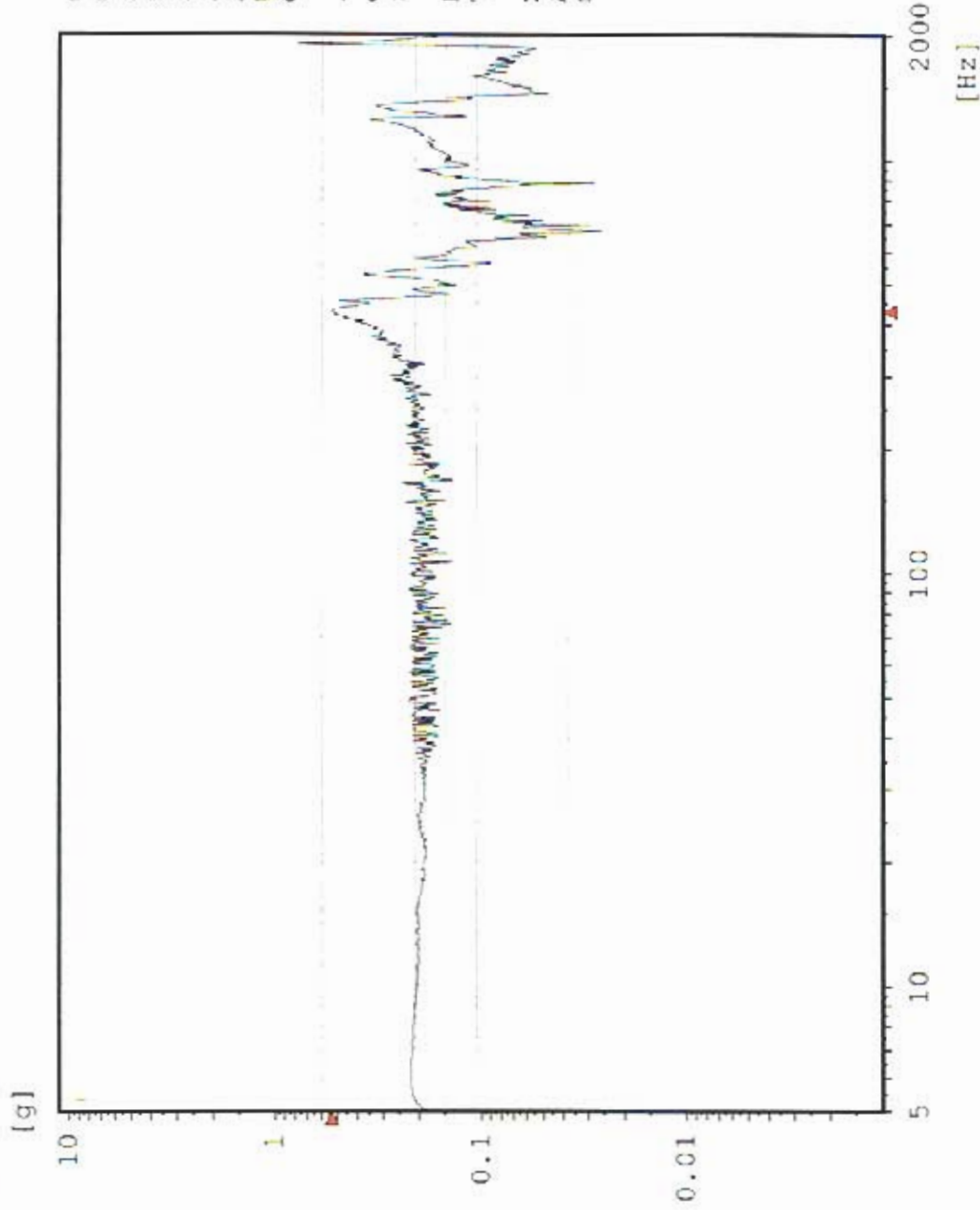
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:37:31

X - axis Pre Random
 Acceptance Unit
 GLAT 1834

Sine AX1 TEM center edge

Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

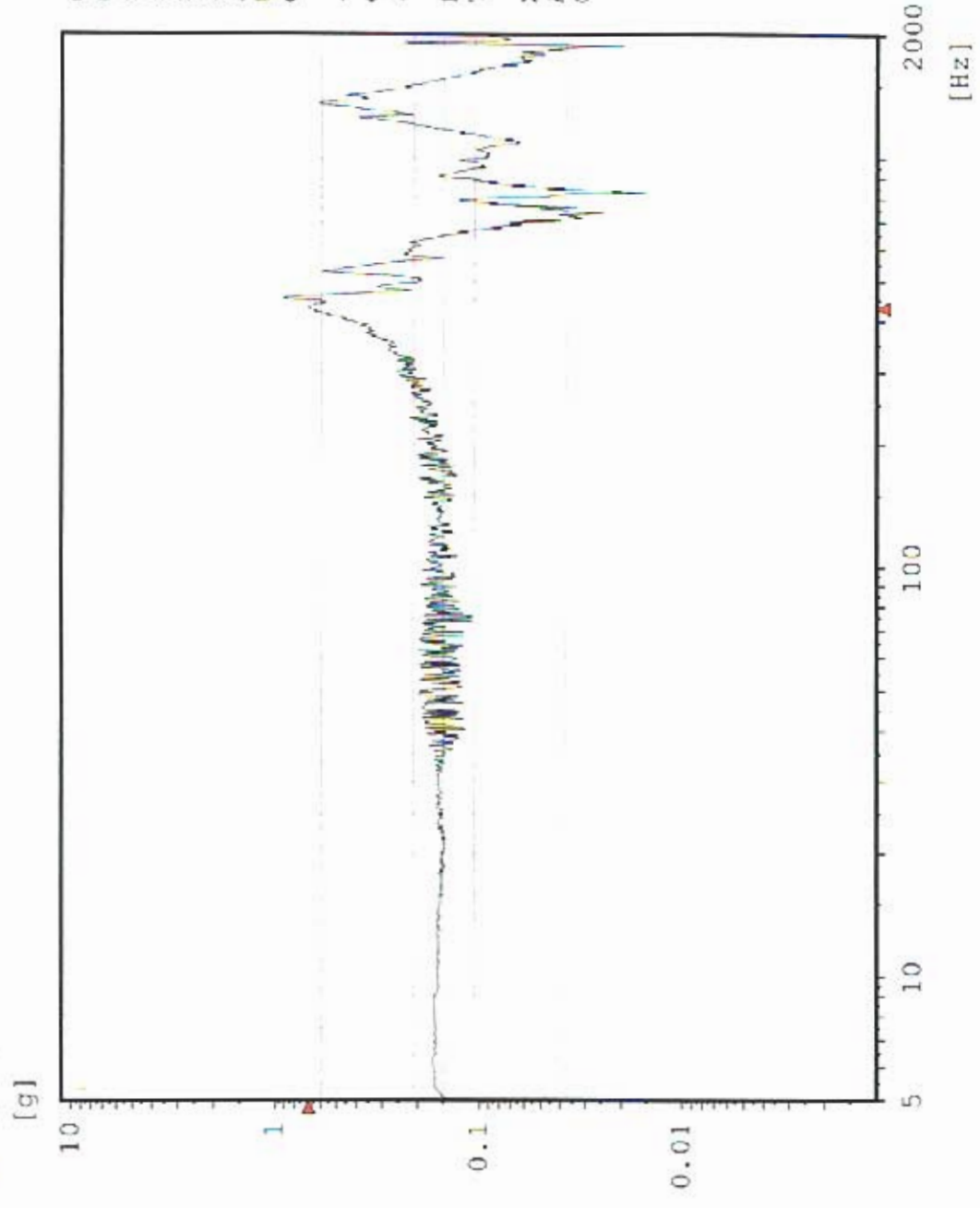
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:37:31

X - axis Pre Random
 Acceptance Unit
 GLAT 1834

AX2 TPS CG

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 10
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:37:31

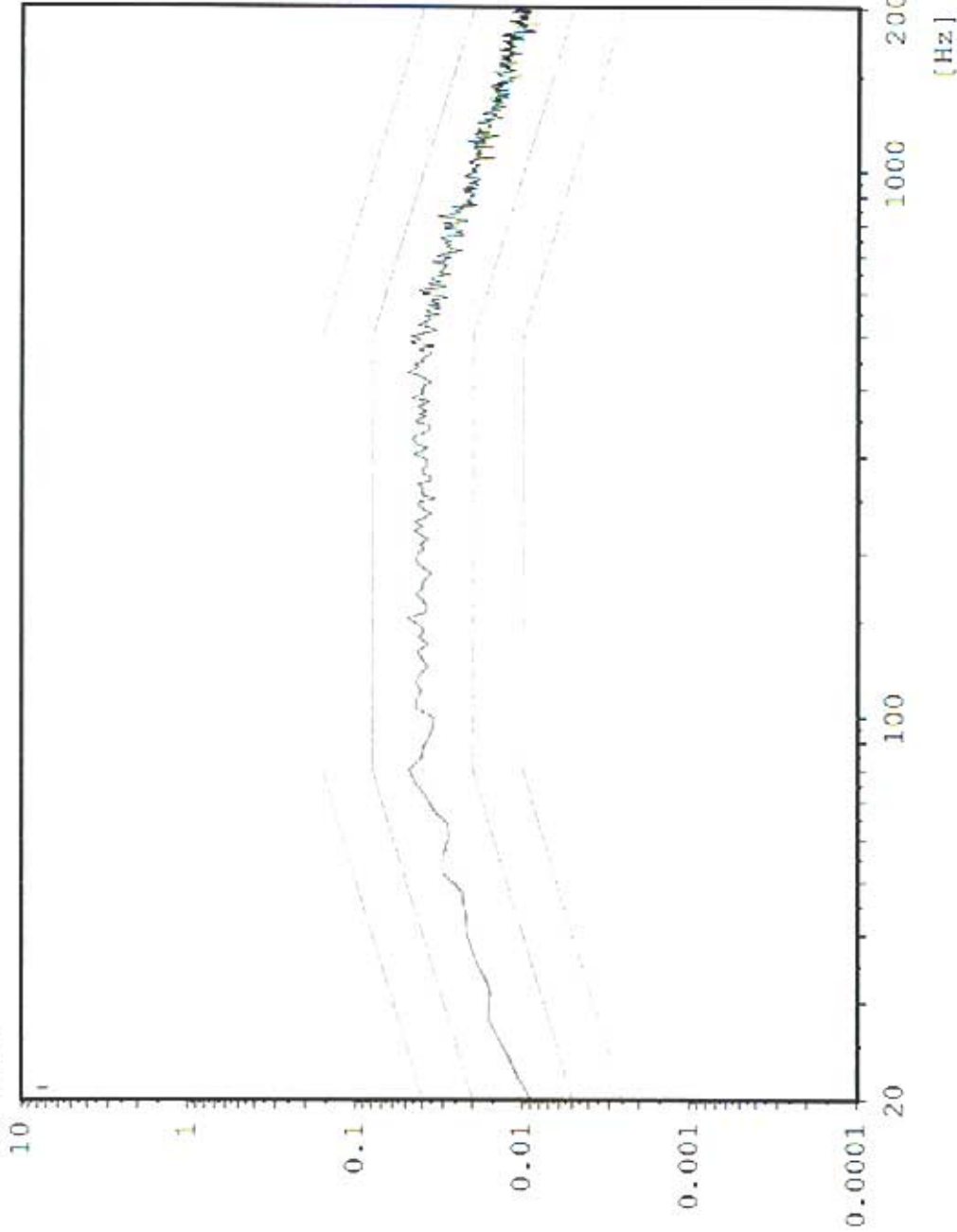
X - axis Pre Random
 Acceptance Unit
 GLAT 1834

Random CX1 X-Axis Control

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.837 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:53
remaining: 000:00:00

Date: 05-11-05
Time: 16:46:00

X - Axis
Acceptance Unit:
GLAT 1834

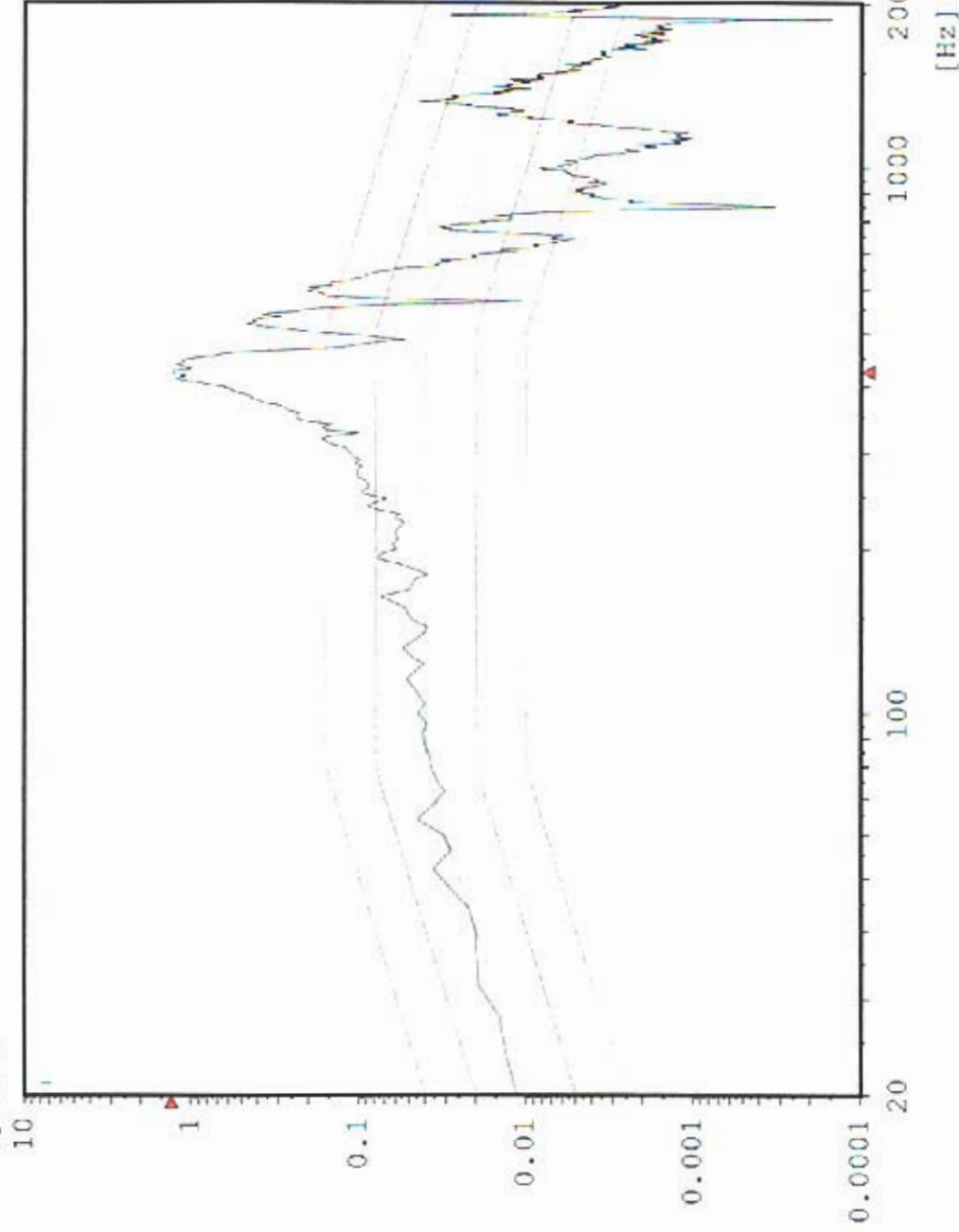
Max: 424 Hz 1.329 g²/Hz

Random AX4 TPS Top Center

Random
Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 12.32 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:53
remaining: 000:00:00

Date: 05-11-05
Time: 16:46:00

X - Axis
Acceptance Unit
GLAT 1834

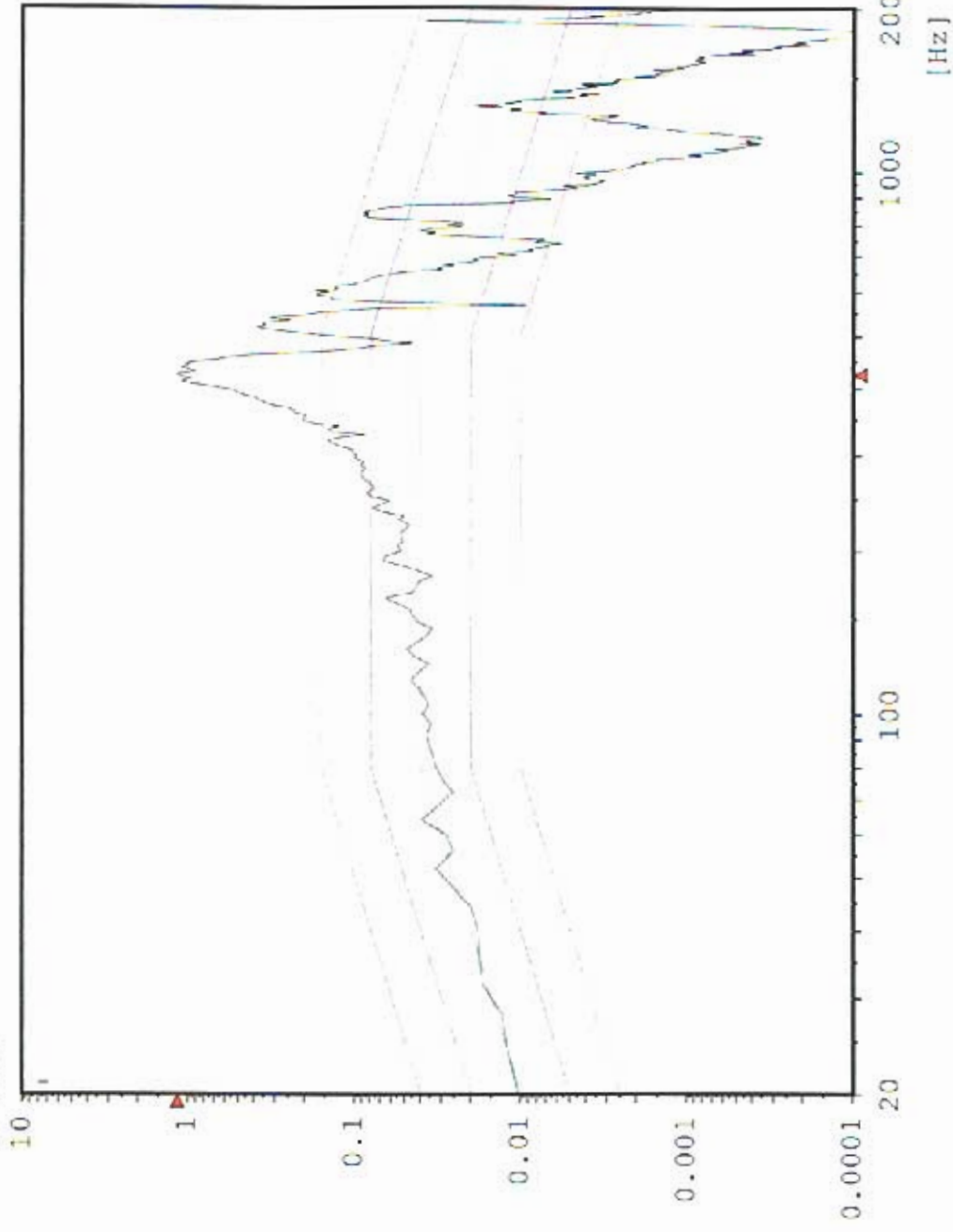
Max: 424 Hz 1.158 g²/Hz

AX3 TPS Top Edge

Random
Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 3
 Chan.type: M
 DCF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 11.55 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

-- Time total --
 elapsed: 000:02:53
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:46:00

X - Axis
 Acceptance Unit
 GLAT 1834

Max: 412 Hz 0.4608 g²/Hz

Random CH# 5 TEM center edge

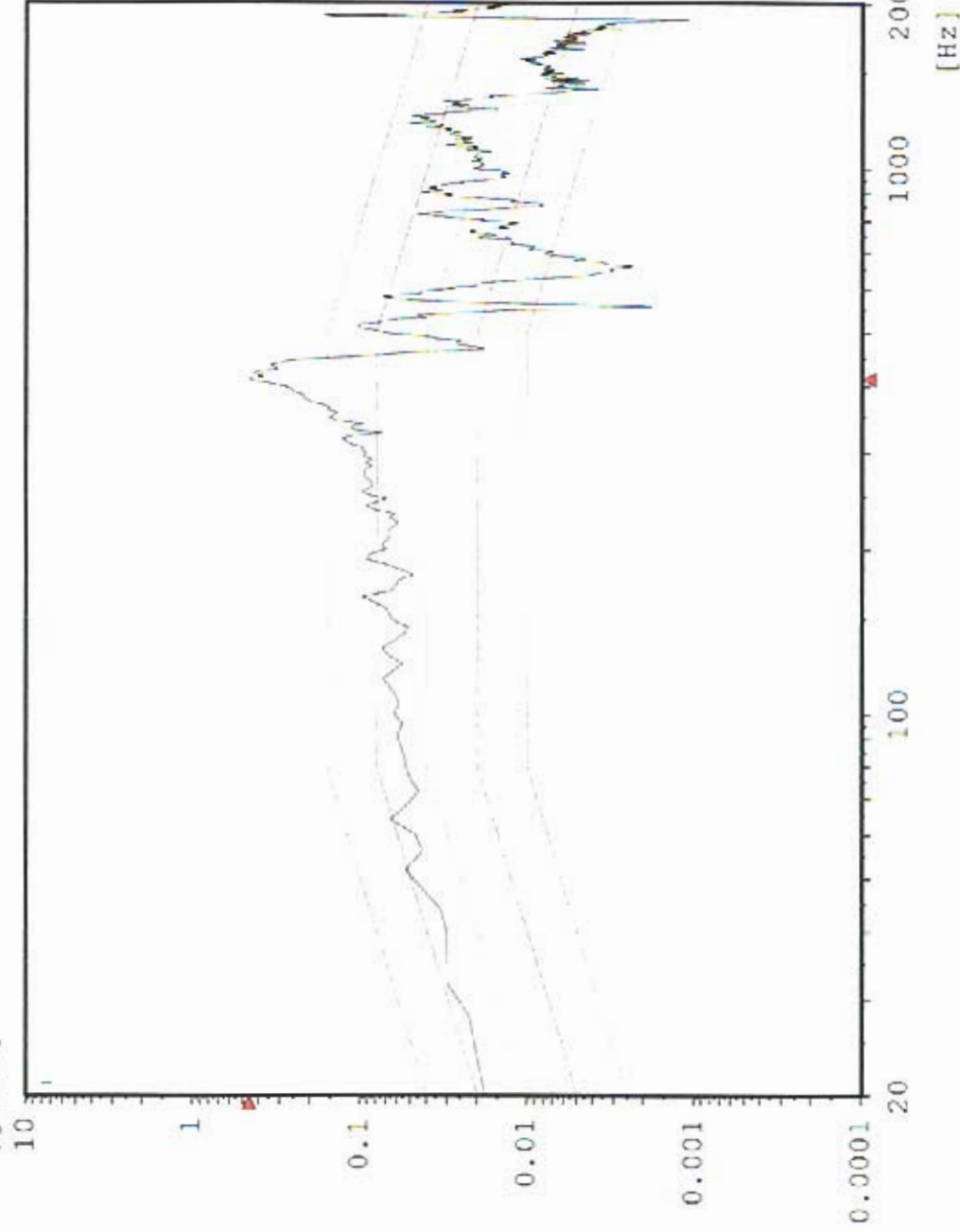
Stanford Linear Accelerator

J/N 49995.51972

TEM & TPS



[g²/Hz]



Chan.no: 5
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 9.122 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:53
remaining: 000:00:00

Date: 05-11-05
Time: 16:46:00

X - Axis
Acceptance Unit
GLAT 1834

Max: 424 Hz 0.7774 g²/Hz

Random AX2 TPS Bottom center

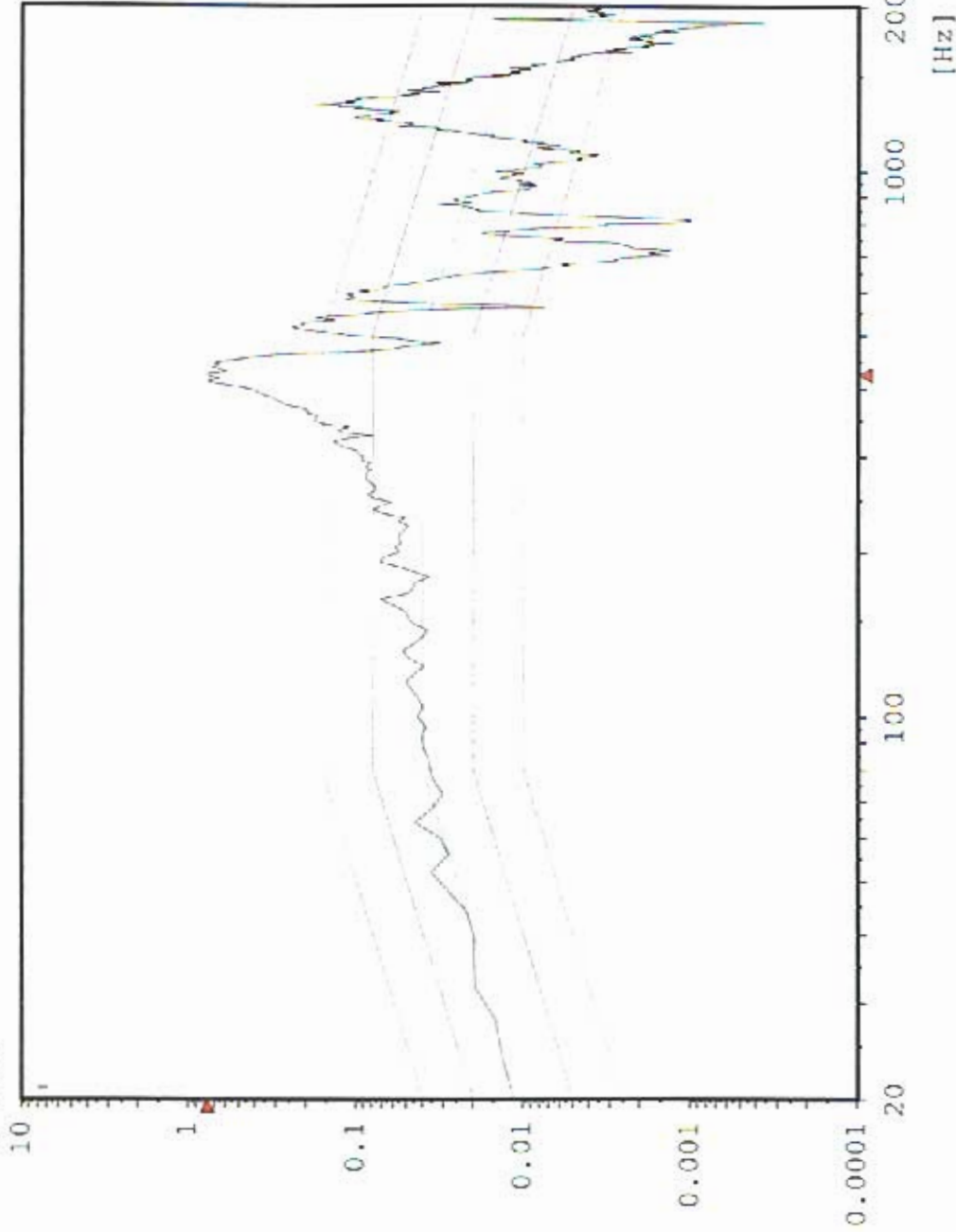
Stanford linear Accelerator

J/N 49995.51972

TEM & TPS



[g²/Hz]



Chan.no: 10
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 10.8 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level: --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:53
remaining: 000:00:00

Date: 05-11-05
Time: 16:46:00

X - Axis
Acceptance Unit
GLAT 1834

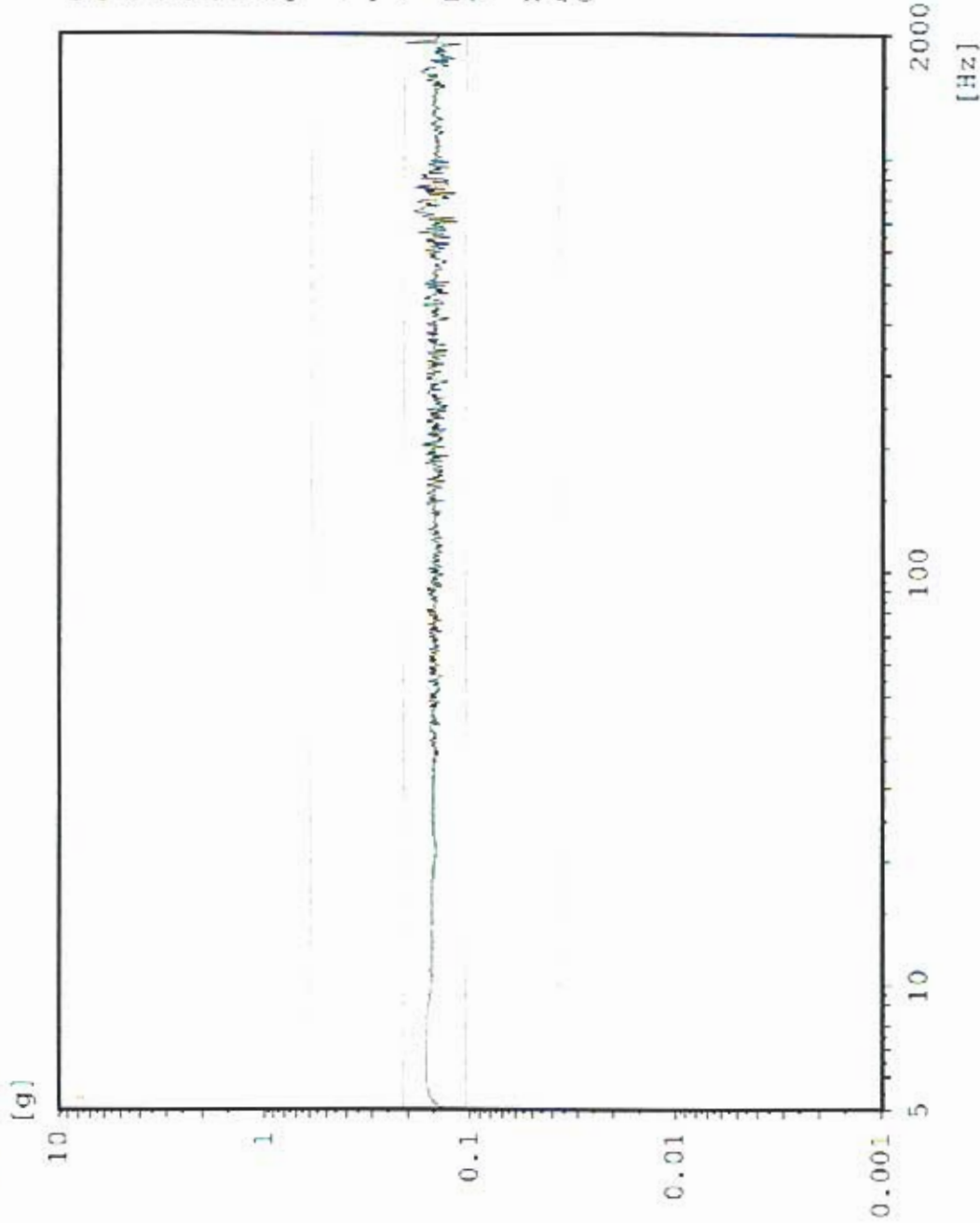
CX1 X-Axis Control

Sine

Stanford Linear Accelerator

J/N 49995.51972

TEX / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

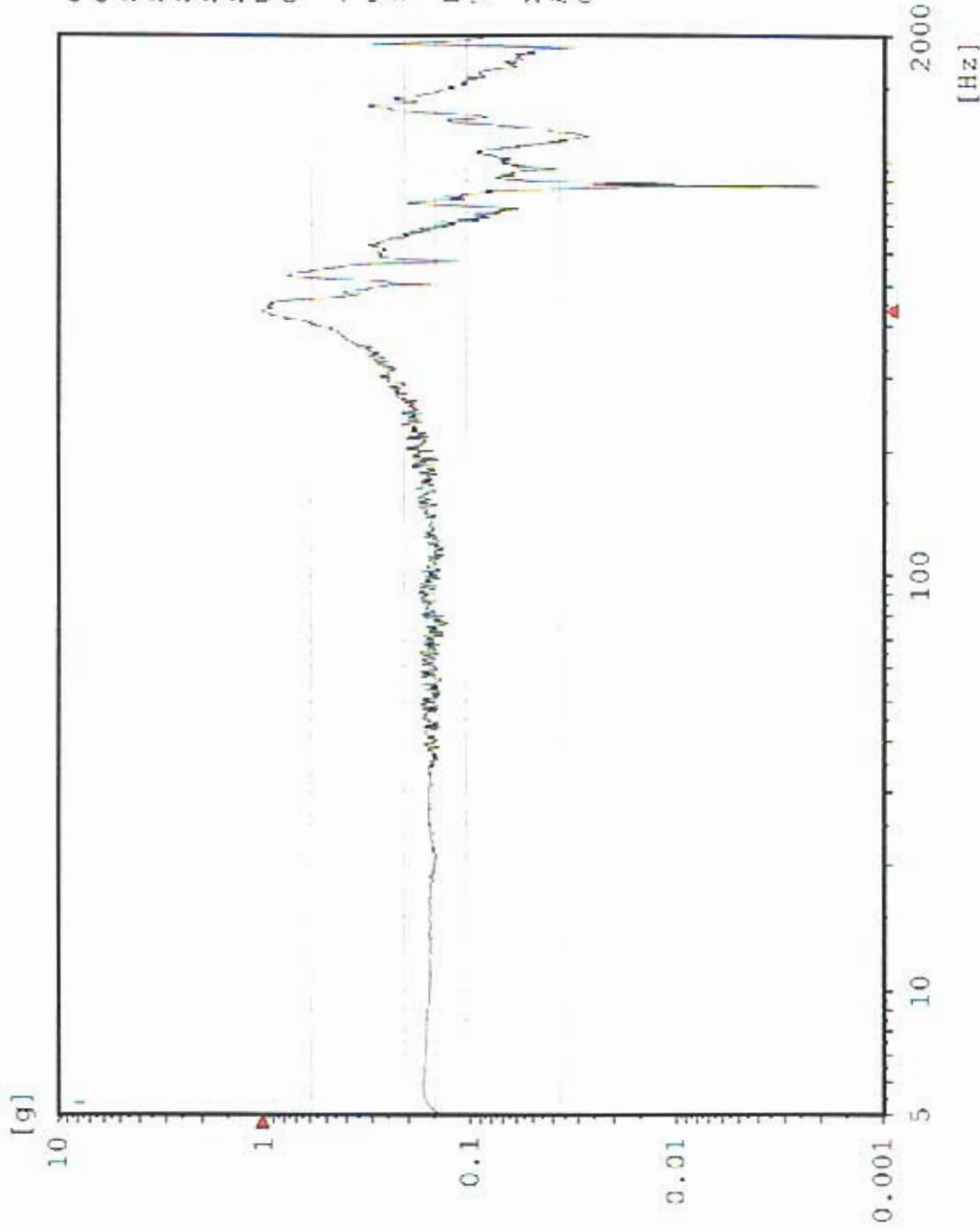
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-11-05
Time: 16:55:29

X - axis Post Random
Acceptance Unit
GLAT 1834

AX3 TPS top center

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

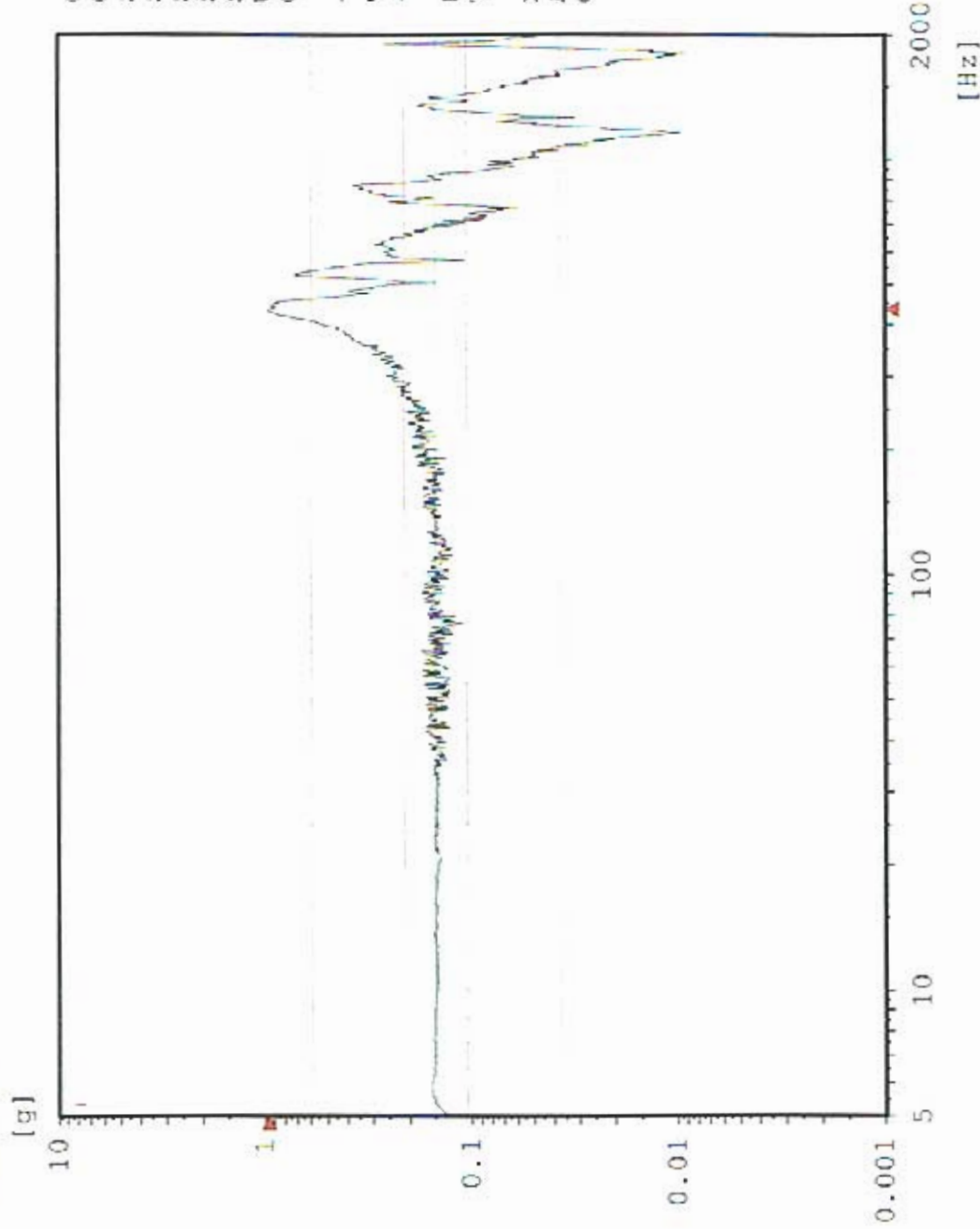
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:55:29

X - axis Post Random
 Acceptance Unit
 GLAT 1834

AX4 TPS top edge

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 3
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:55:29

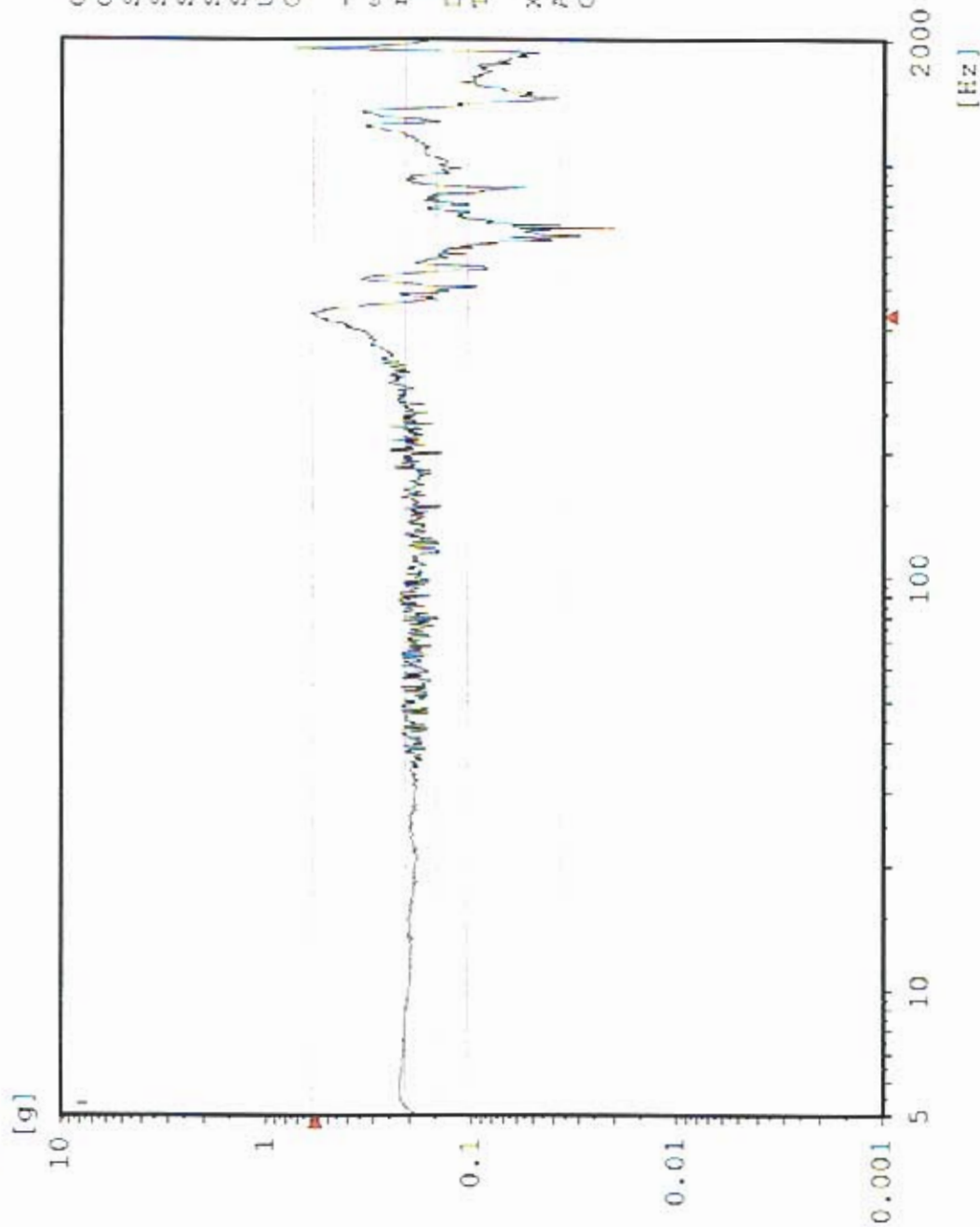
X - axis Post Random
 Acceptance Unit
 GLAT 1834

Sine AX1 TEM center edge

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --

elapsed: 000:04:18

remaining: 000:00:00

Date: 05-11-05

Time: 16:55:29

X - axis Post Random

Acceptance Unit

GLAT 1834

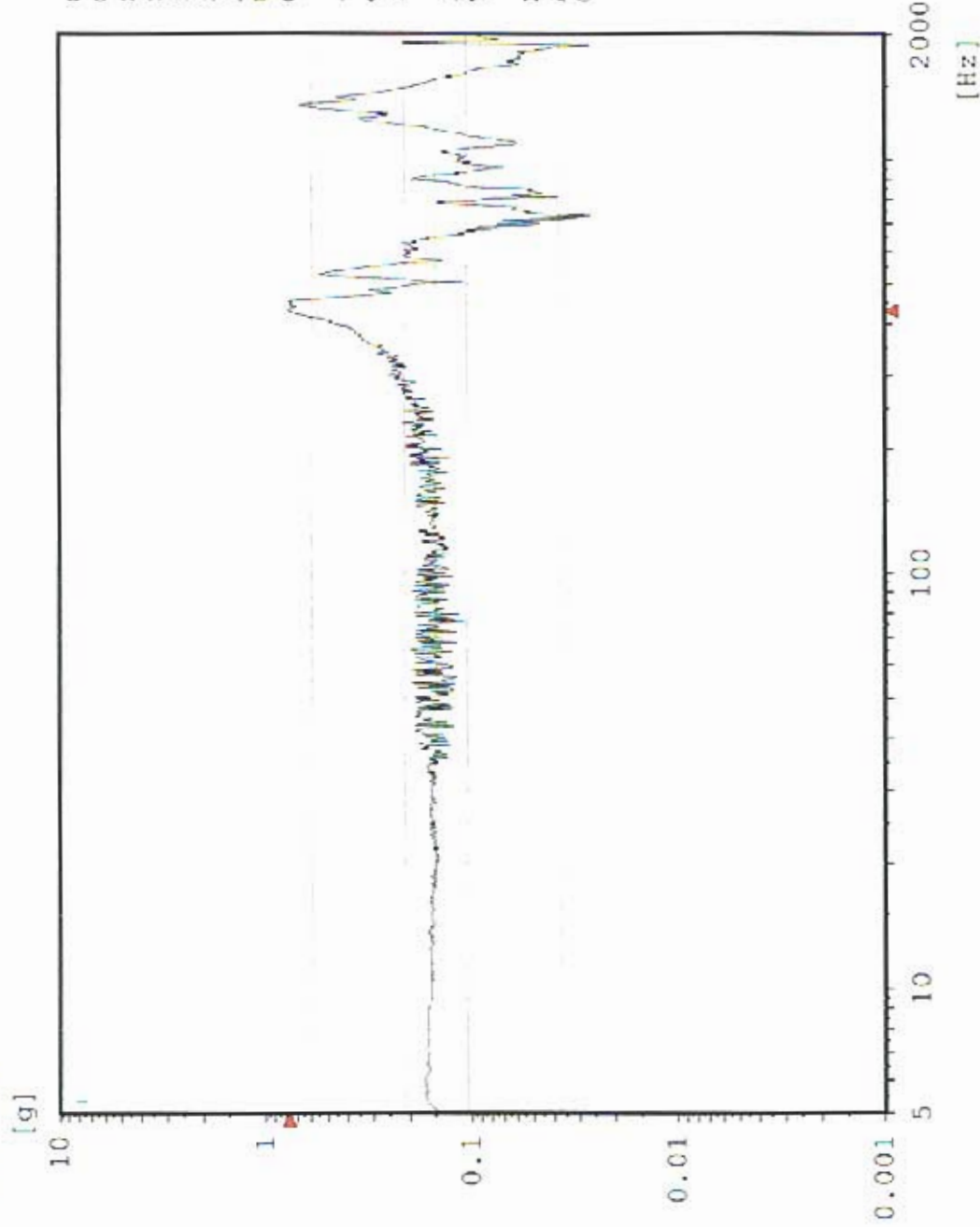
AX2 TPS CG

Sine

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 10
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: 9
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 16:55:29

X - axis Post Random
 Acceptance Unit:
 GLAT 1834

CY1 Y-Axis Control

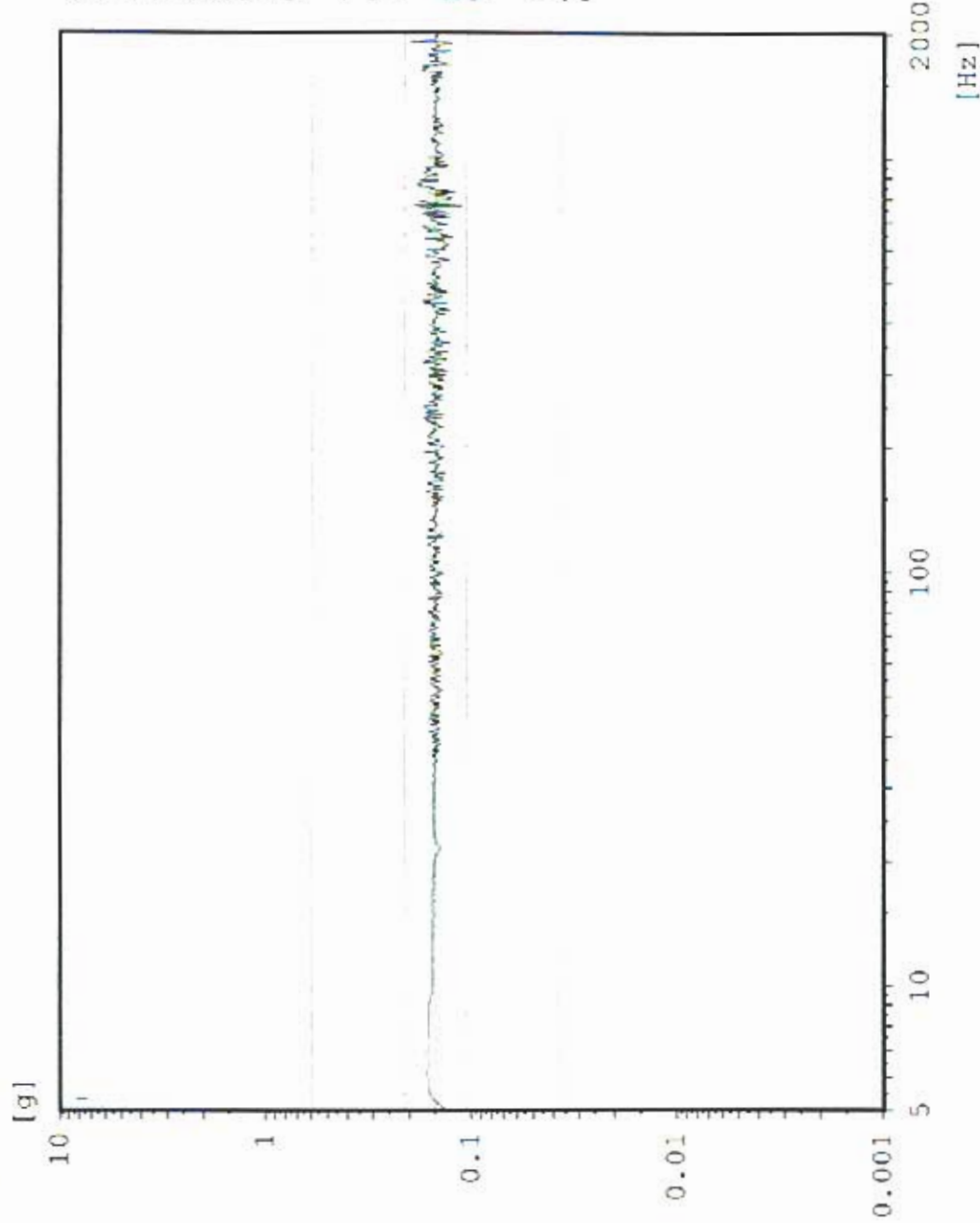
Sine

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS

wyle
laboratories



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

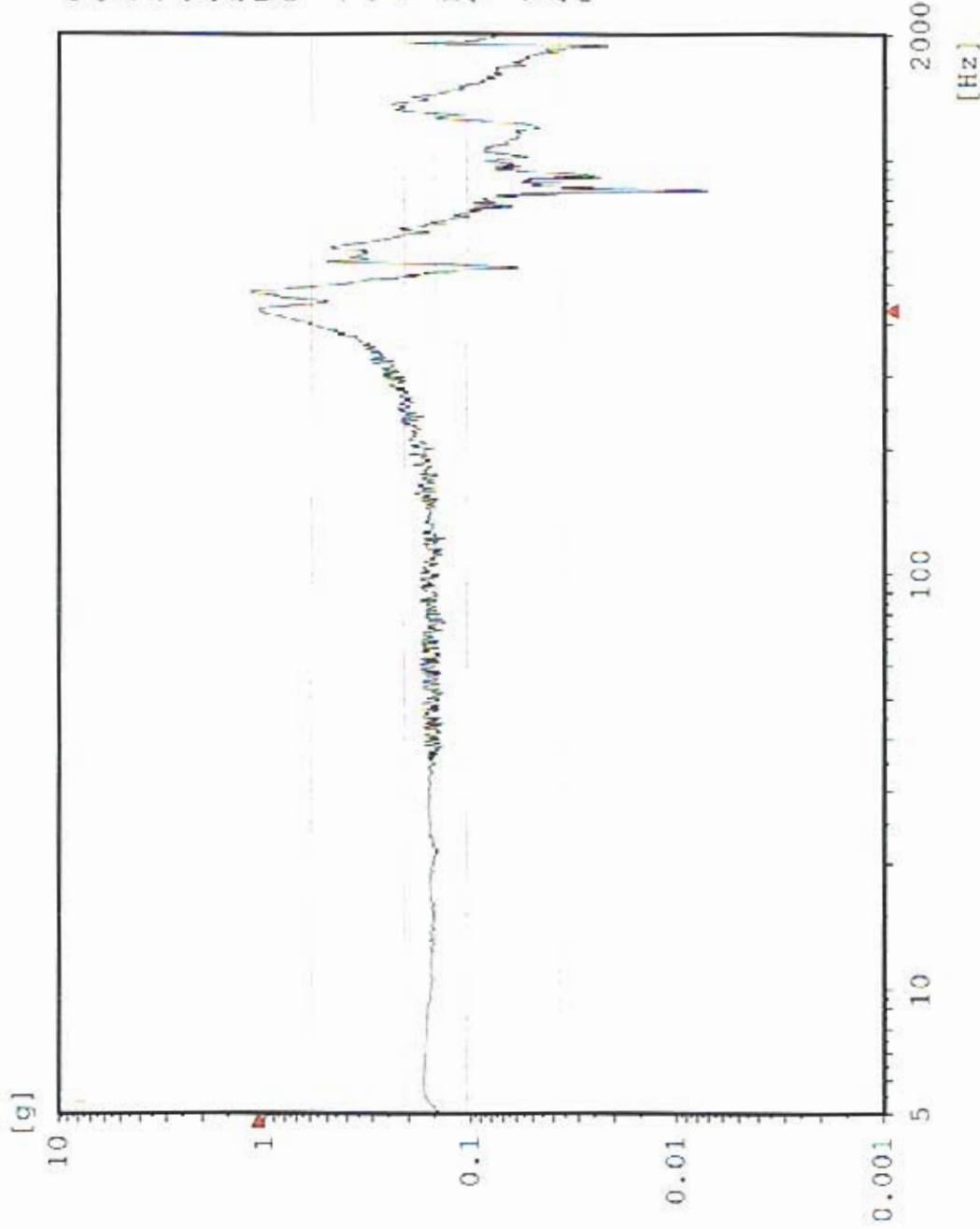
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-11-05
Time: 17:14:48

Y - axis Pre Random
Acceptance Unit
GLAT 1834

AY3 TPS Top Center

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

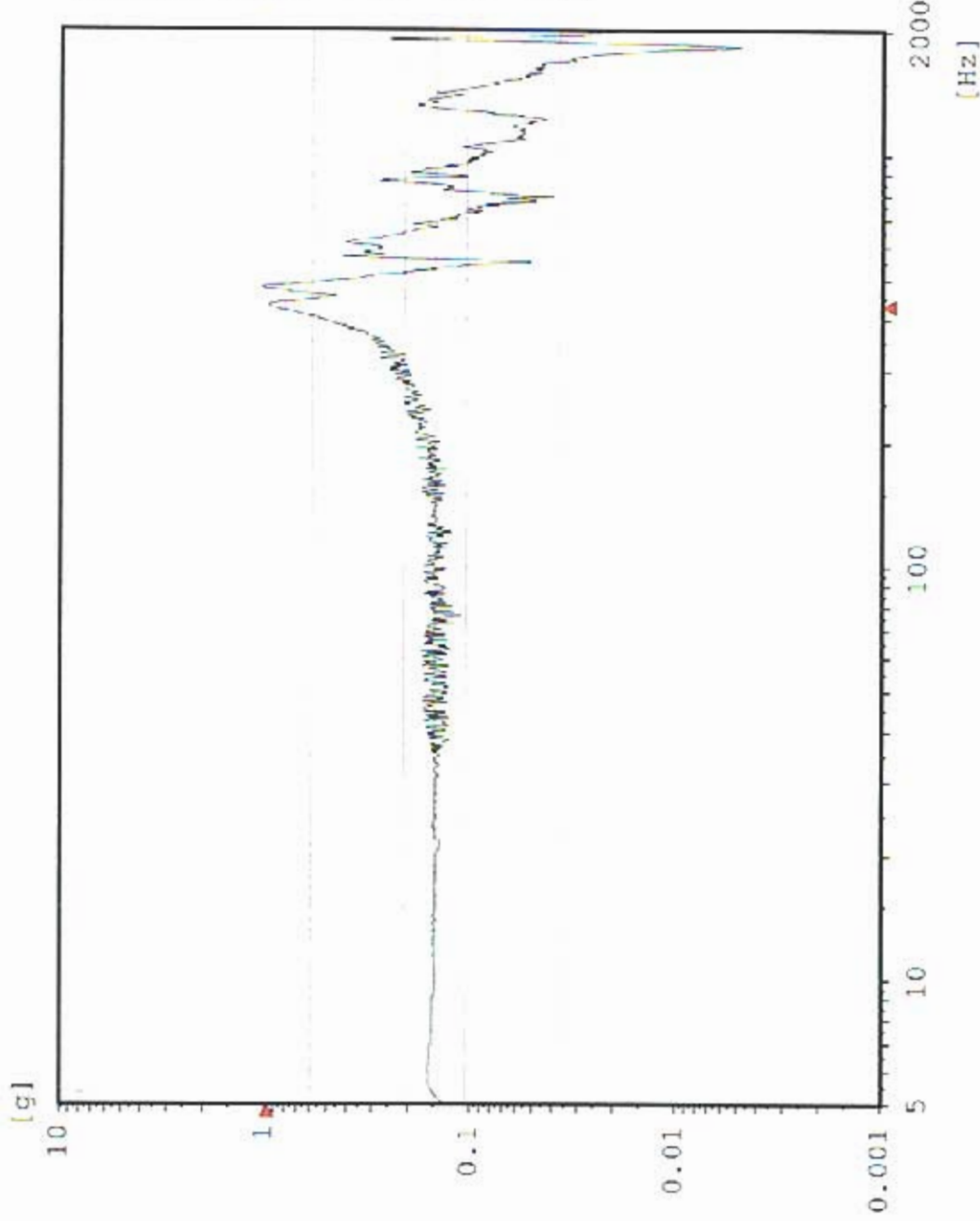
-- Testing time --
 elapsed: 009:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:14:48

Y - axis Pre Random
 Acceptance Unit
 GLAT 1834

AY4 TPS Top Edge

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 3
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: ;
 Sweeps req.: ;
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

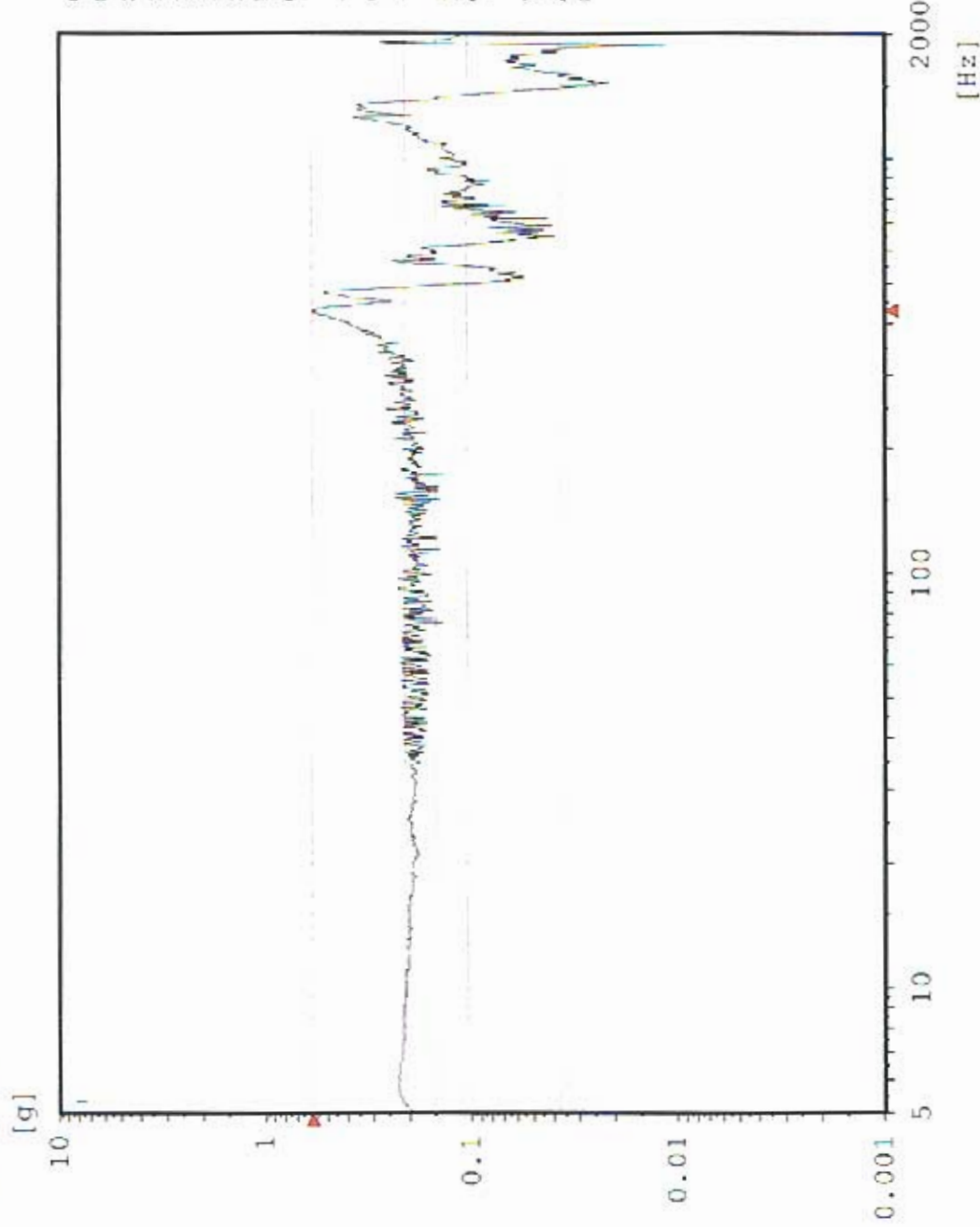
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:14:48

Y - axis Pre Random
 Acceptance Unit
 GLAT 1634

Sine AY1 TEM Center Edge

Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:14:48

Y - axis Pre Random
 Acceptance Unit
 GLAT 1834

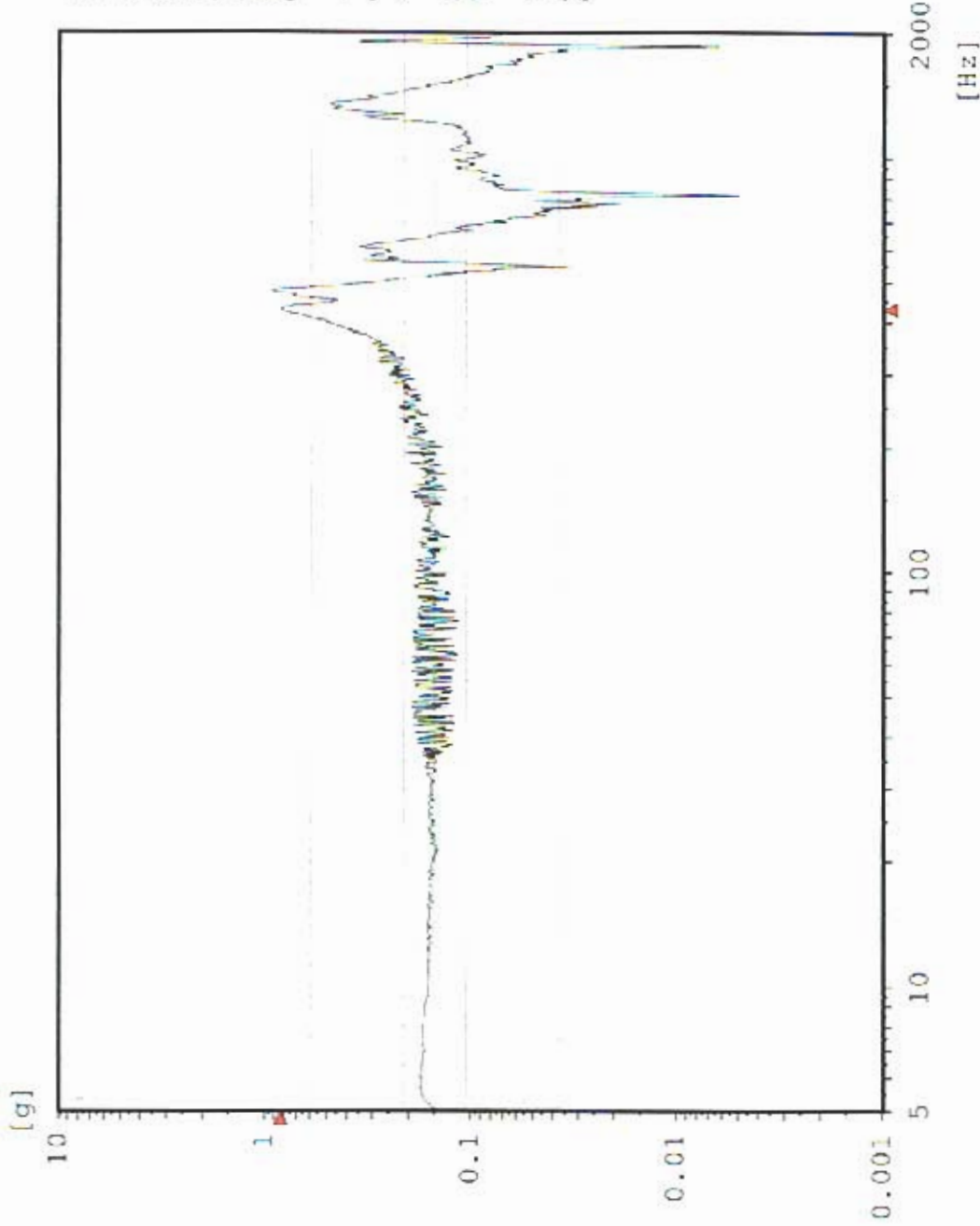
AY2 TPS CG

Sine

Stanford Linear Accelerator

J/N 49995.51972

TEX / TPS



Chan.no: 10
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:13
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:14:48

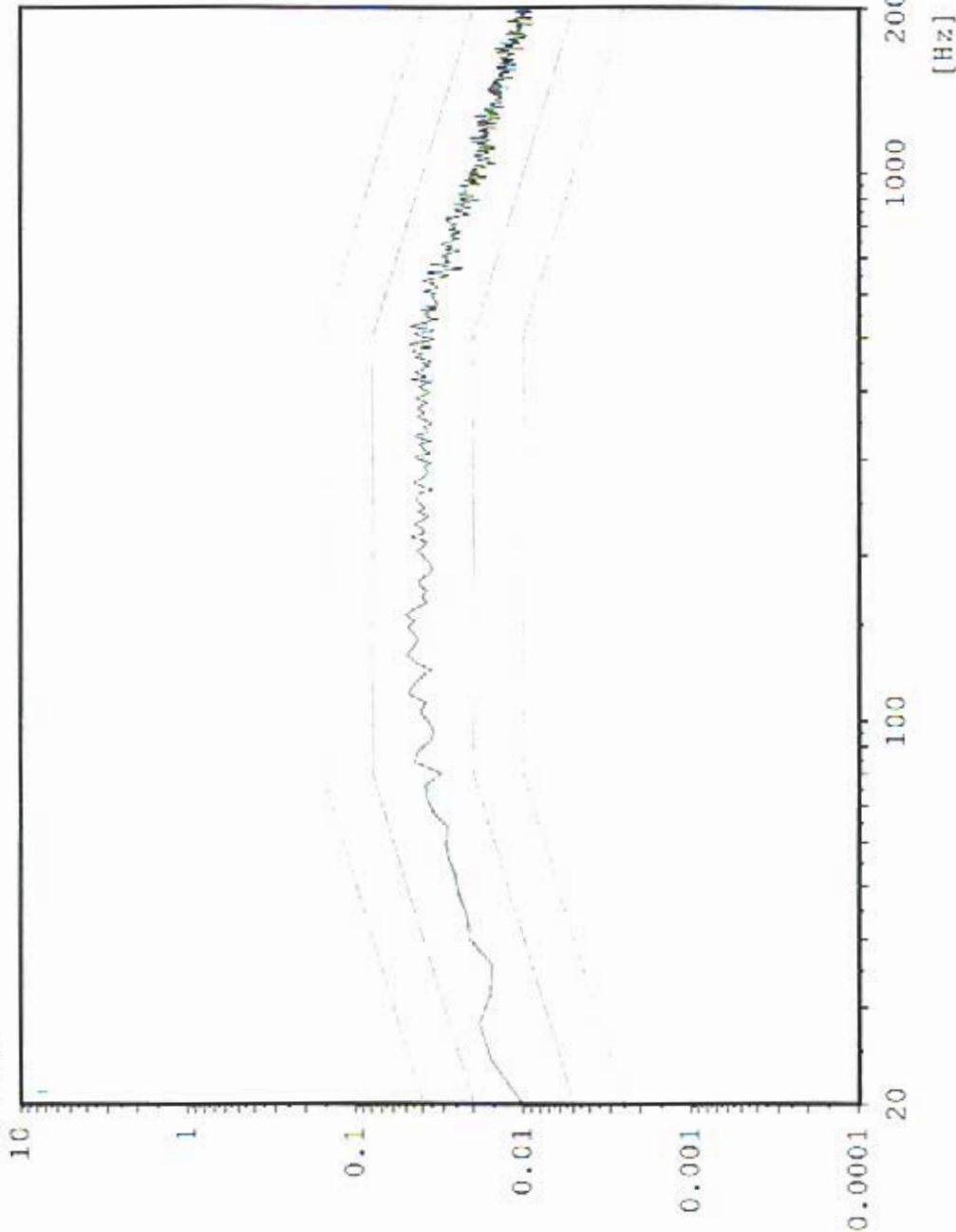
Y - axis Pre Random
 Acceptance Unit
 GIAT 1834

CY1 Y-Axis Control

Random
Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.834 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:55
remaining: 000:00:00

Date: 05-11-05
Time: 17:22:55

Y - Axis
Acceptance Unit
GLAT 1834

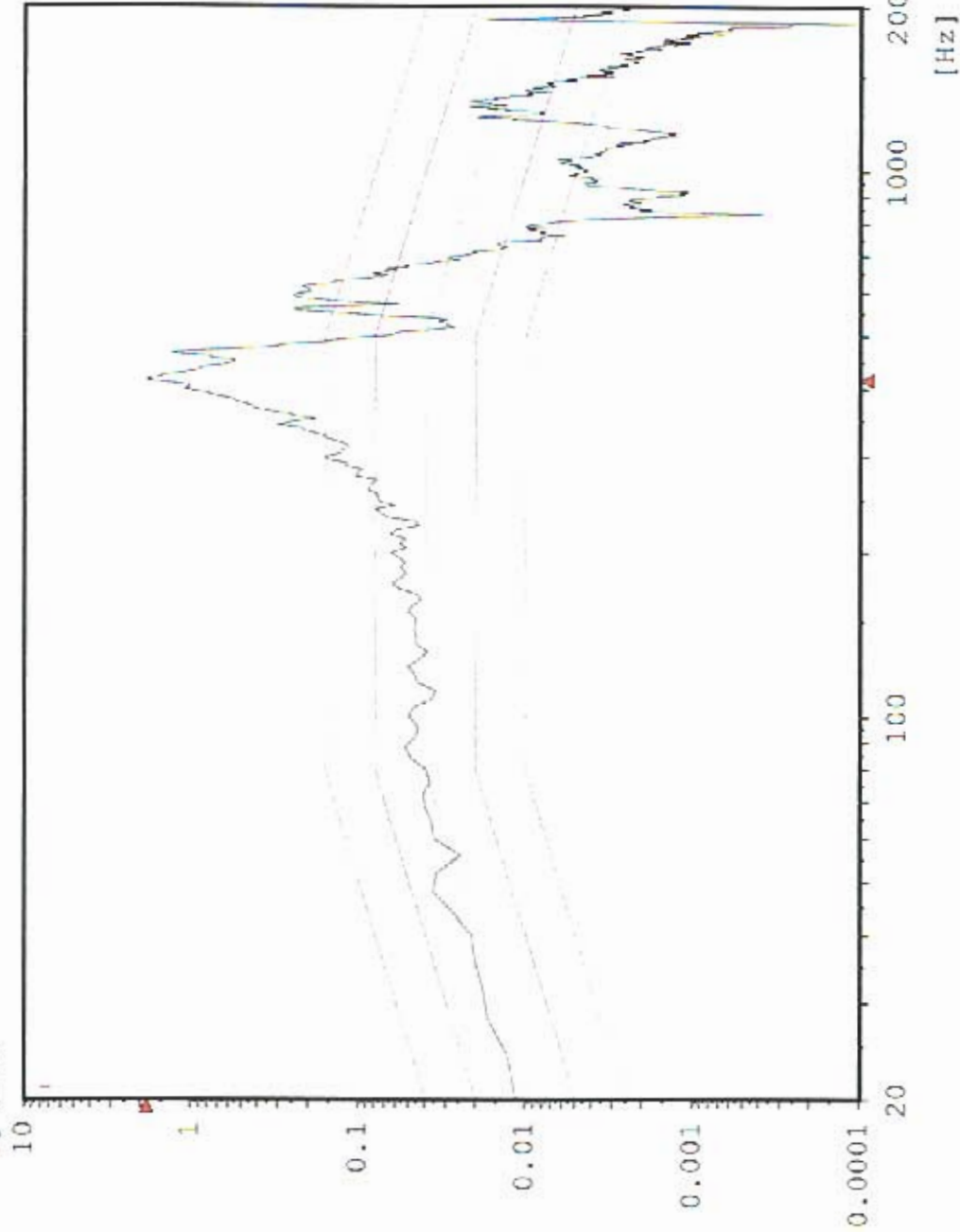
Max: 416 Hz 1.652 g²/Hz

Random AY3 TPS Top Center

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 12.74 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:55
remaining: 000:00:00

Date: 05-11-05
Time: 17:22:55

Y - Axis
Acceptance Unit
GLAT 1834

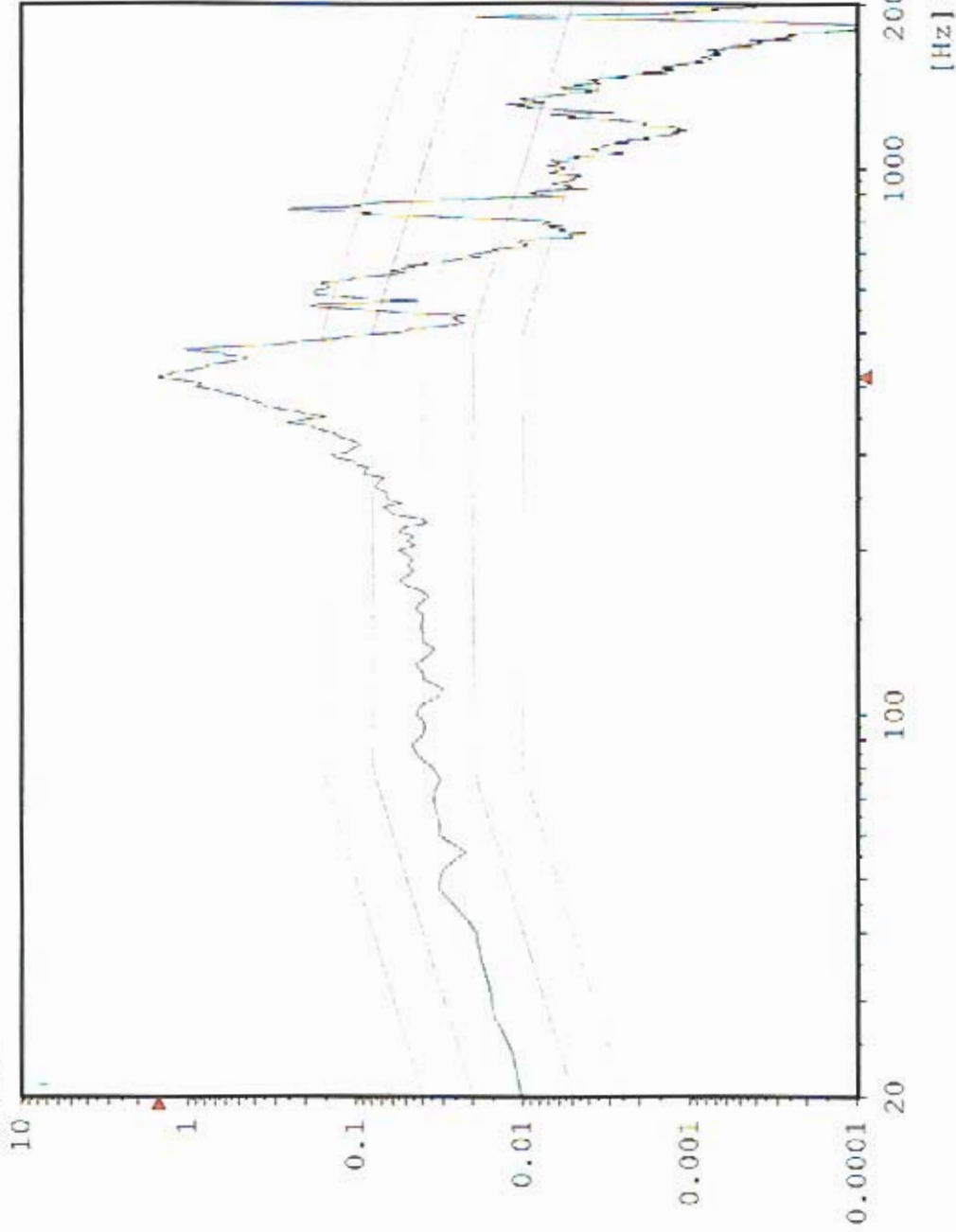
Max: 416 Hz 1.523 g²/Hz

Random AY4 TPS Top Edge

Random
Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 3
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 11.79 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

-- Time total --
 elapsed: 000:02:55
 remaining: 000:00:00

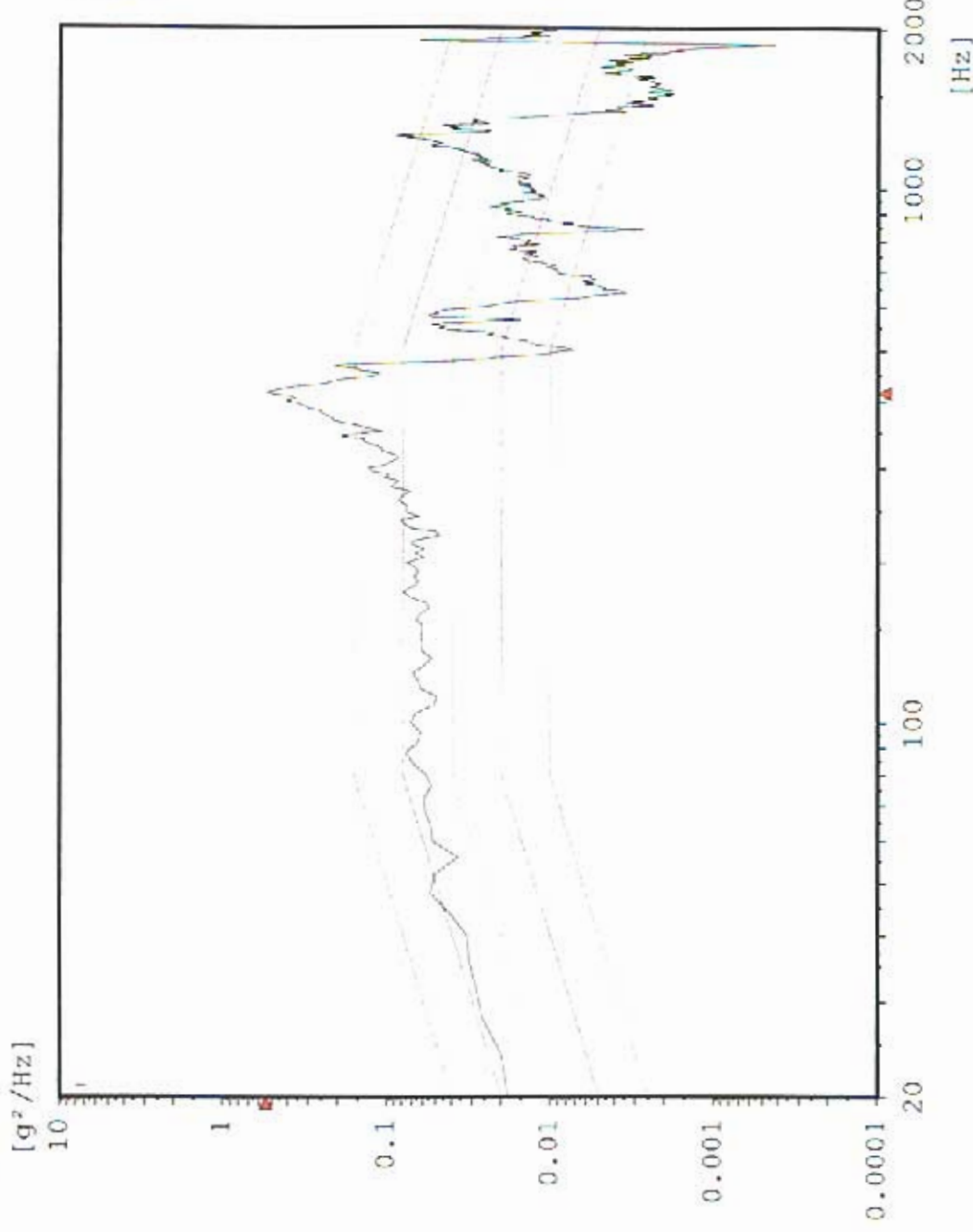
Date: 05-11-05
 Time: 17:22:55

Y - Axis
 Acceptance Unit
 GLAT 1B34

Max: 416 Hz 0.5501 g²/Hz

Random AY1 TEM Center Edge

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



Chan.no: 5
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 8.916 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:55
remaining: 000:00:00

Date: 05-11-05
Time: 17:22:55

Max: 416 Hz 1.156 g²/Hz

AY2 TPS CG

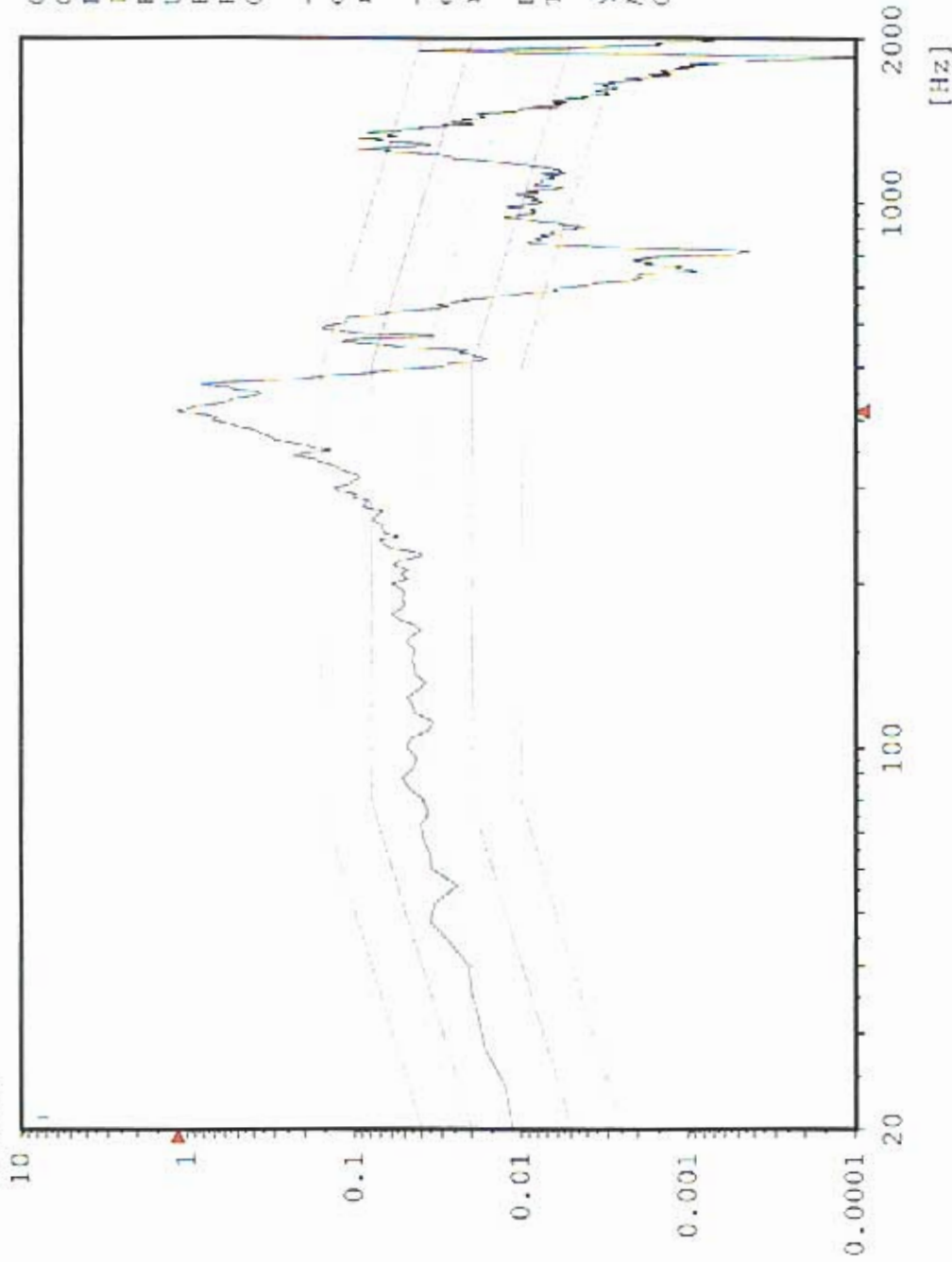
Random

Stanford Linear Accelerator

J/N 49995.51972

TEM & TPS

[g²/Hz]



Chan.no: 10
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 11 g
 RMS (req.): 6.787 g
 Contr.Strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

-- Time total --
 elapsed: 000:02:55
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:22:55

Y - Axis
 Acceptance Unit
 GLAT 1834

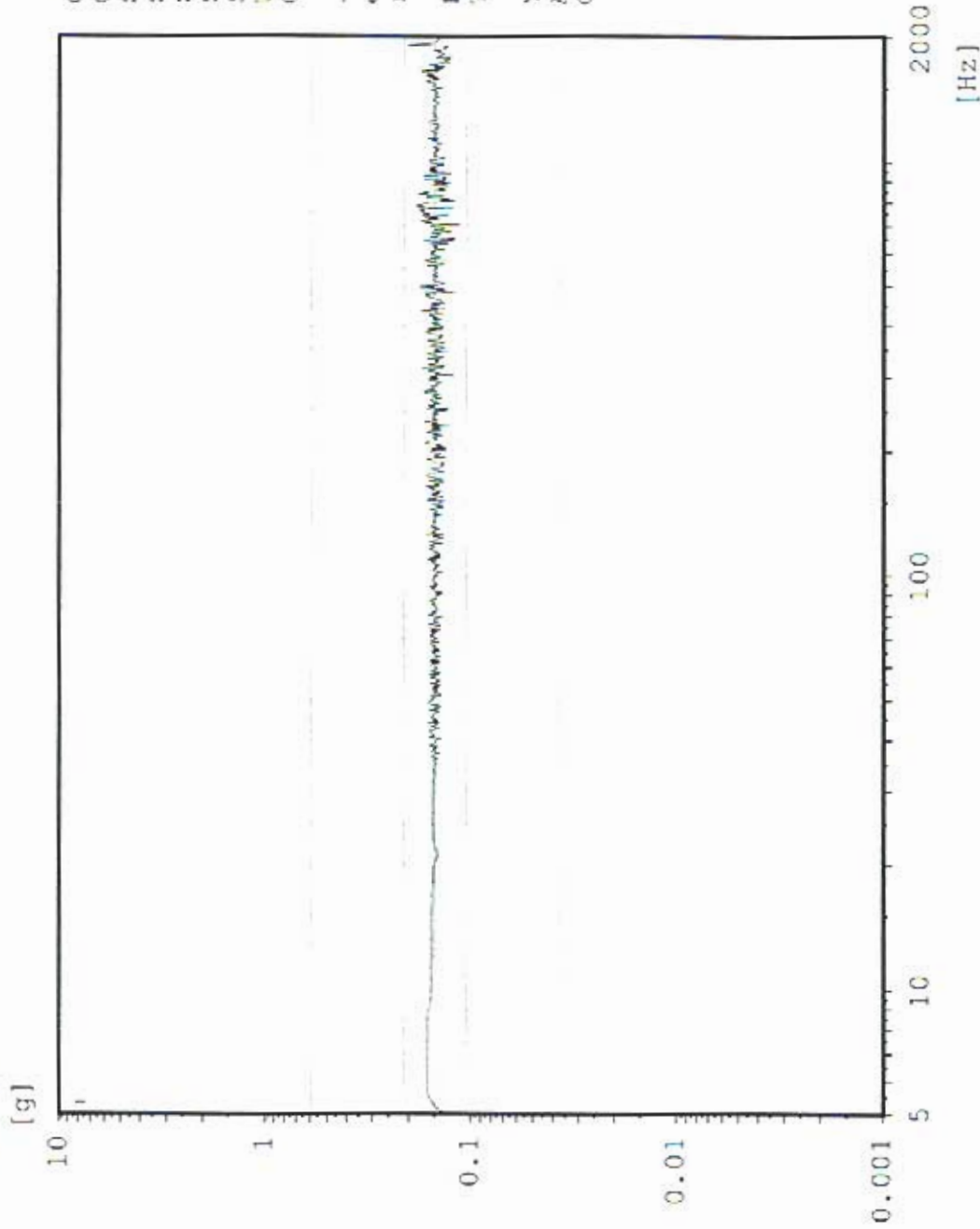
CY1 Y-Axis Control

Sine

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-11-05
Time: 17:32:05

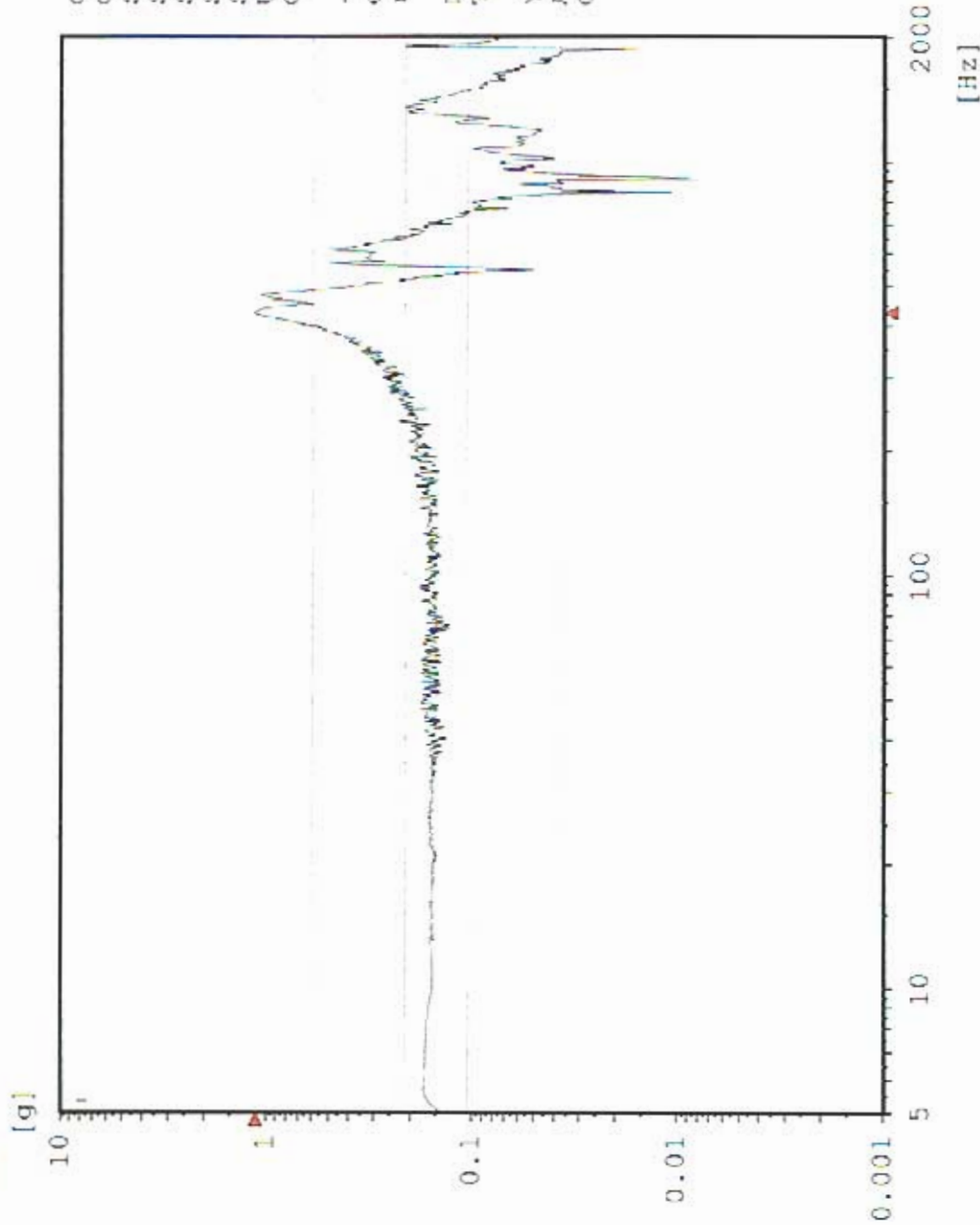
Y - axis Post Random
Acceptance Unit
GLAT 1834

Sine AY3 TPS Top Center

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:32:05

Y - axis Post Random
 Acceptance Unit
 GLAT 1834

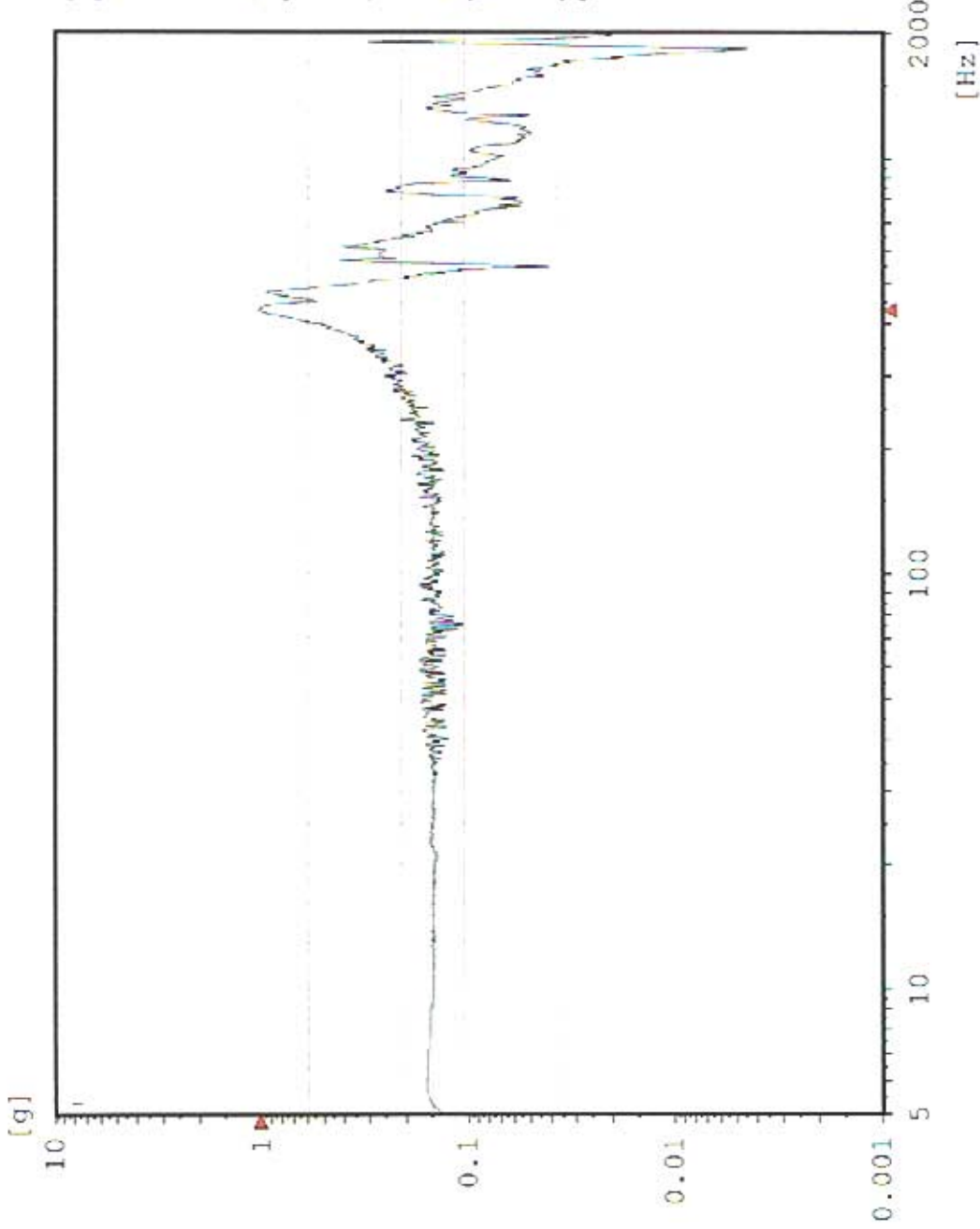
AY4 TPS Top Edge

Sine

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 3
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:32:05

Y - axis Post Random
 Acceptance Unit
 GLAT 1834

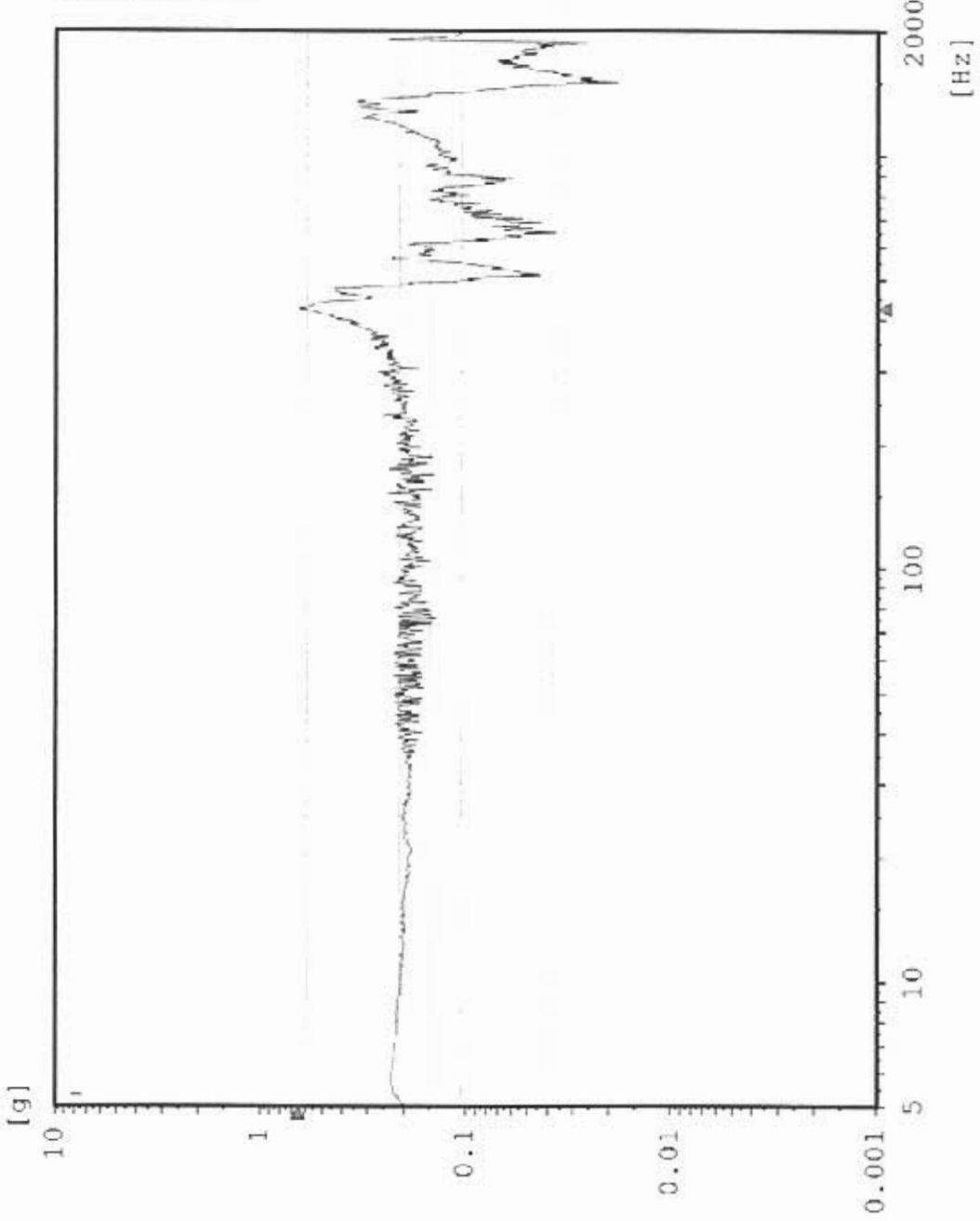
Max: 426.1 Hz 0.6576 g

Sine AY1 TEM Center Edge

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct./min
 Unit: g
 Contr.strat.: Closed loop

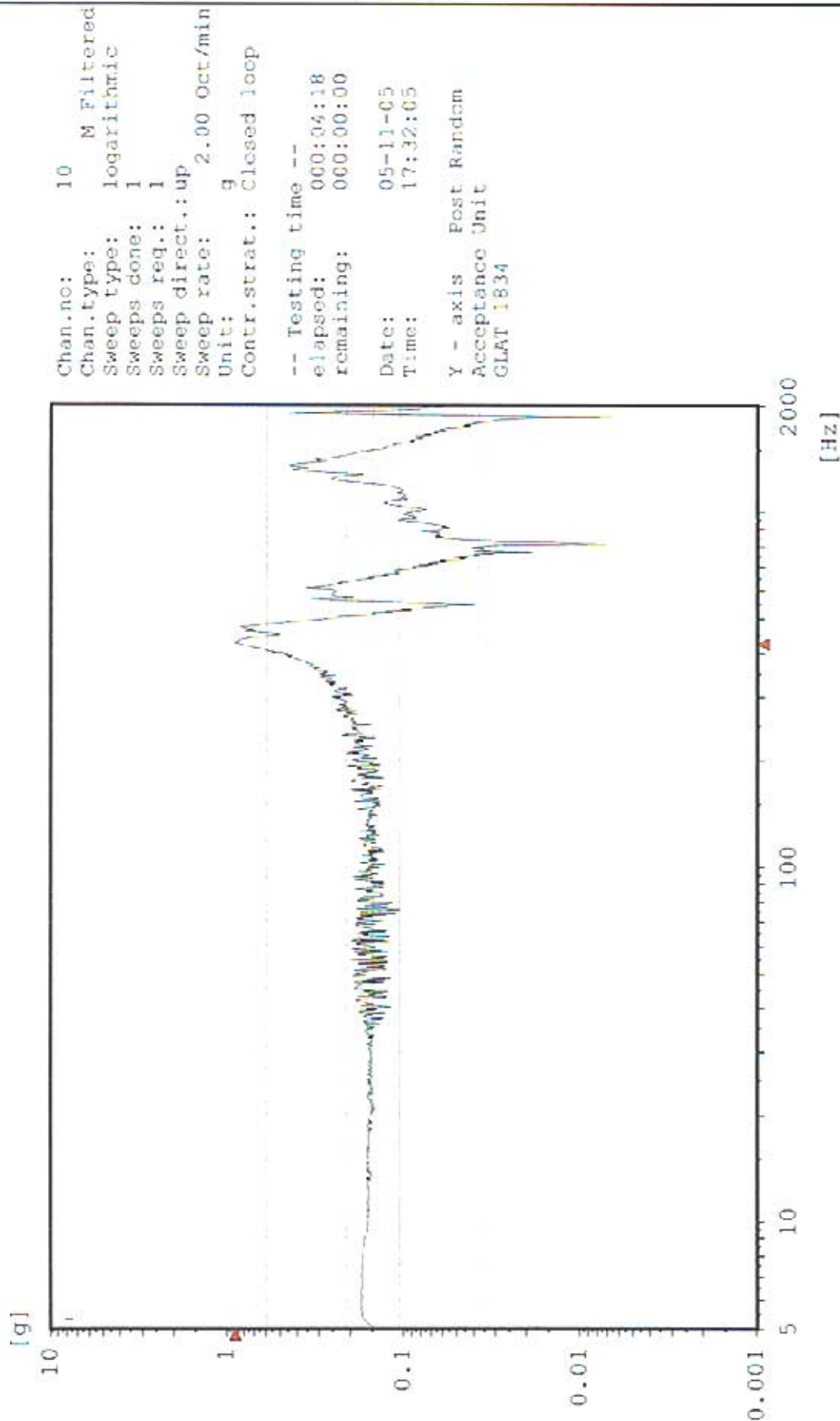
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 17:32:05

Y - axis Post Random
 Acceptance Unit
 GLAT 1834

Sine AY2 TPS CG

Stanford Linear Accelerator
J/N 49995.5:1972
TEM / TPS

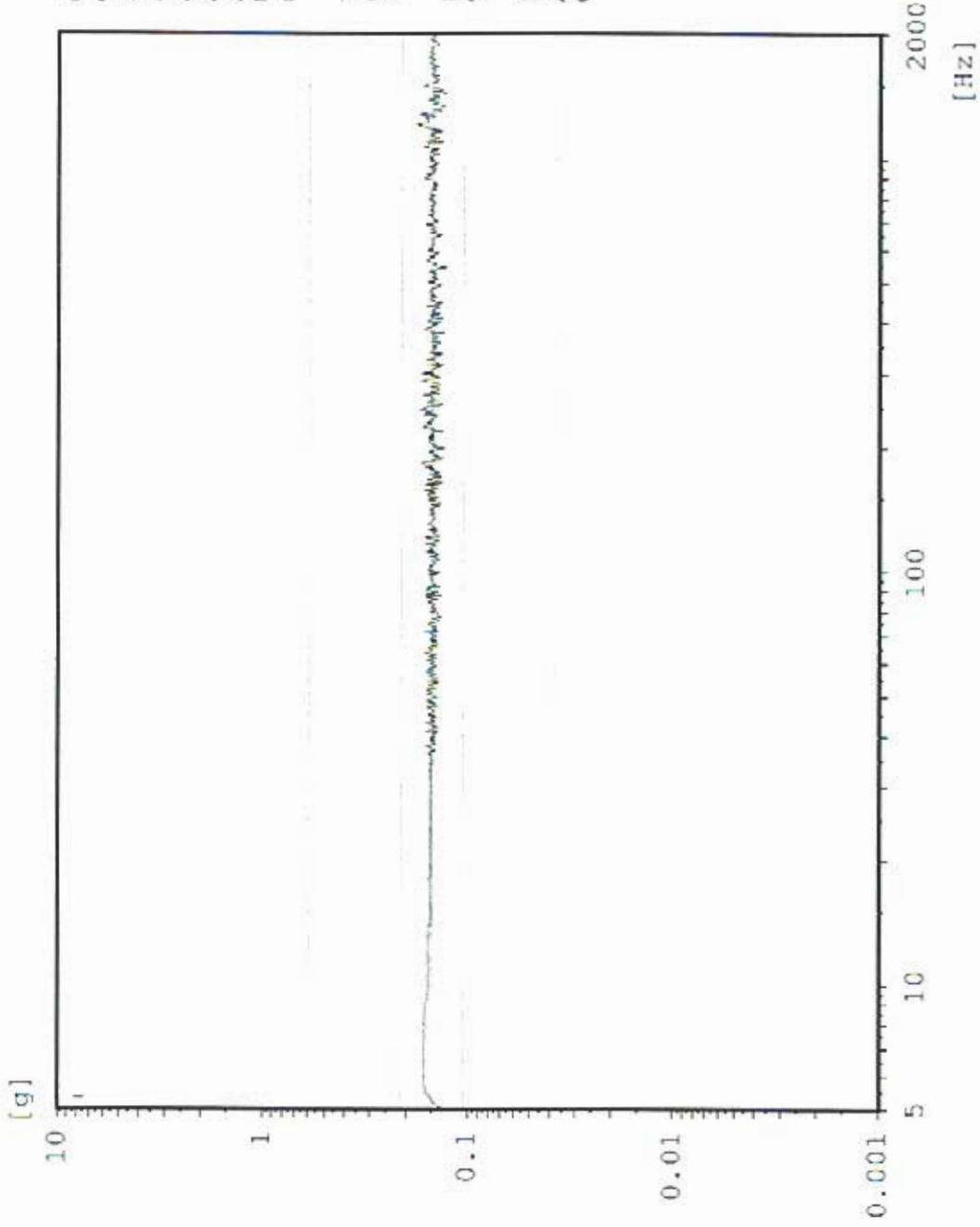


Sine CZ1 Z-Axis Control

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

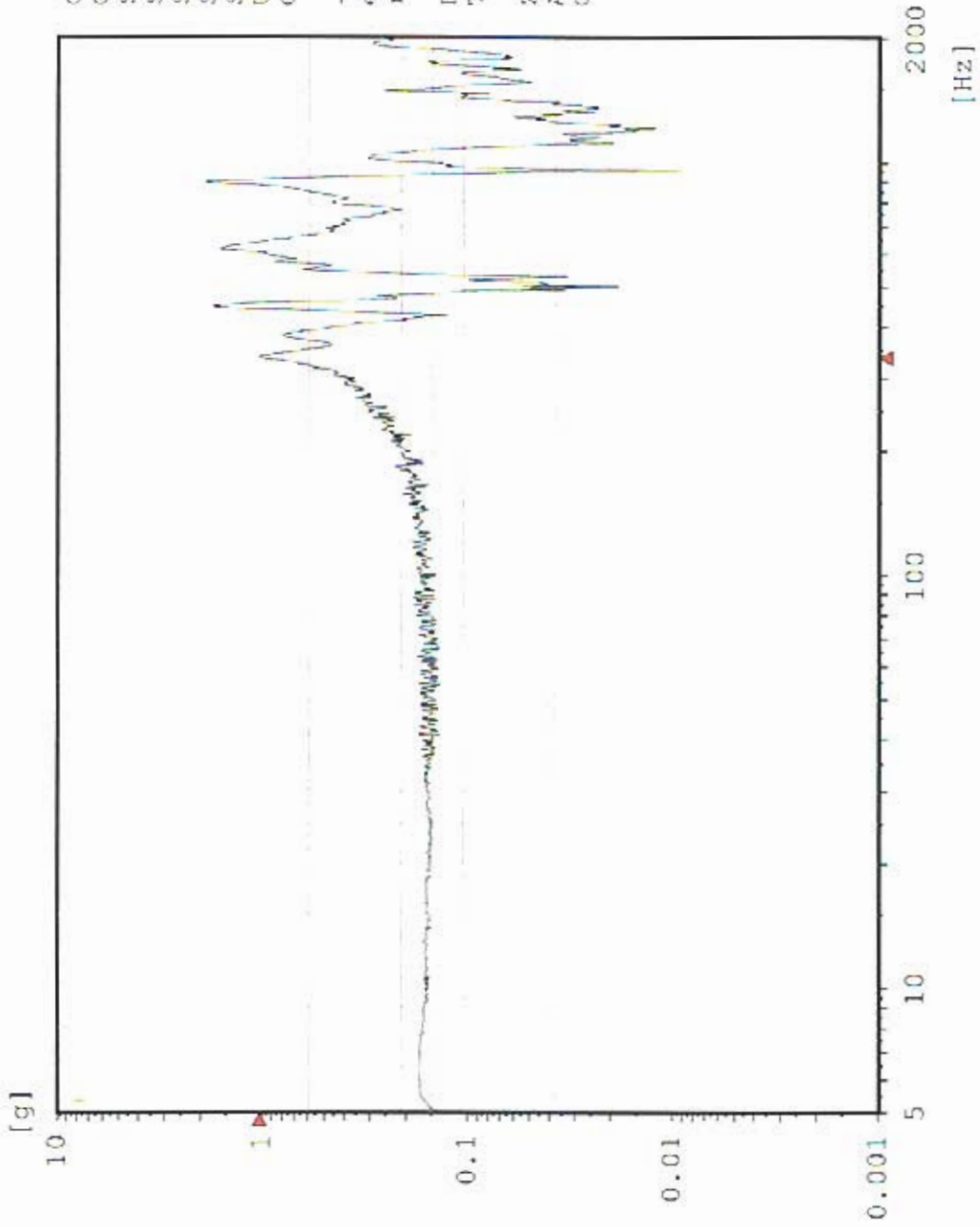
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-11-05
Time: 21:25:29

Z - axis Pre Random
Acceptance Unit
GLAT 1834

Sine AZ4 TPS Boss 2

Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: ;
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

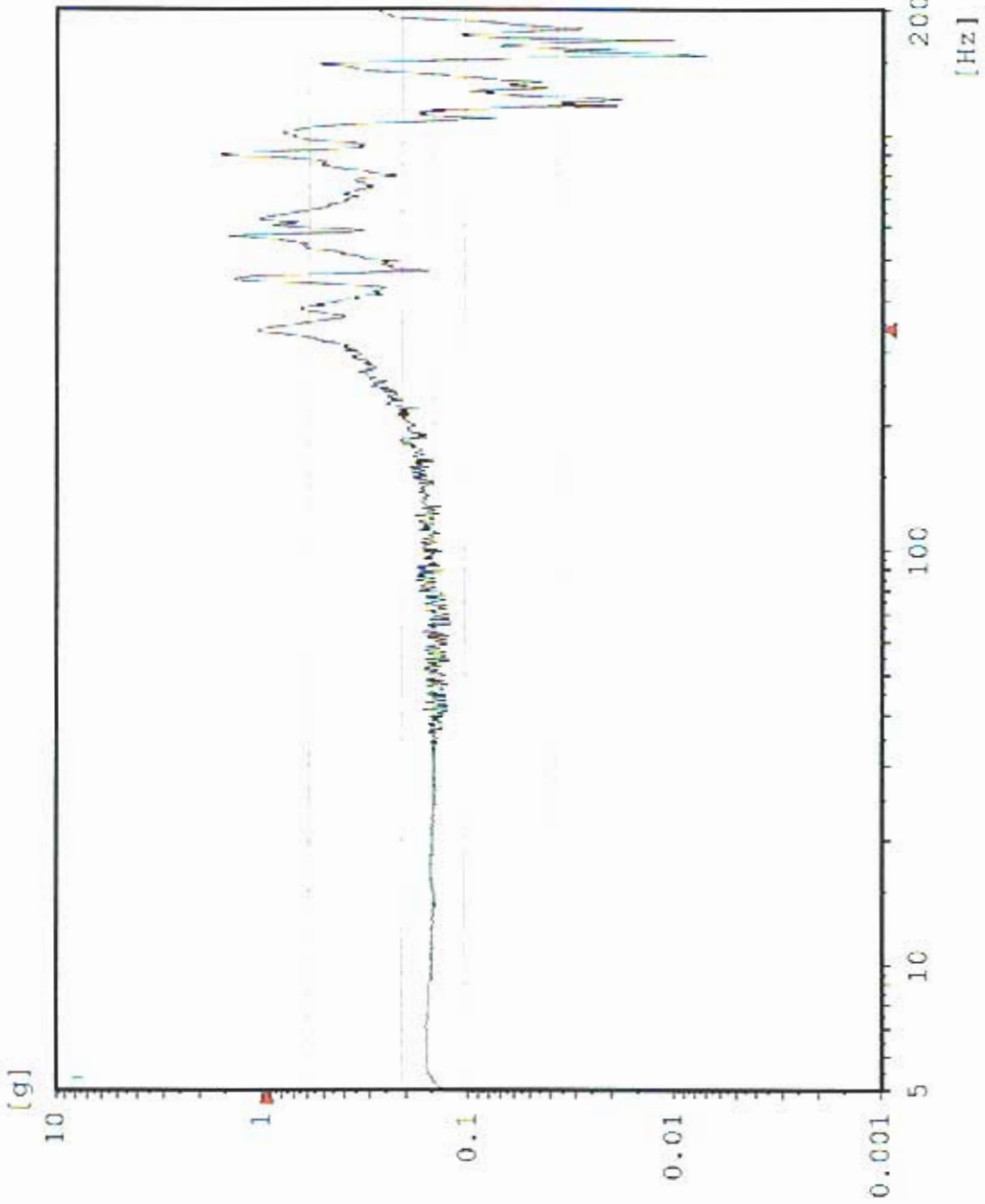
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:25:29

Z - axis Pre Random
 Acceptance Unit
 GLAT 1834

AZ3 TPS Boss 1

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 3
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

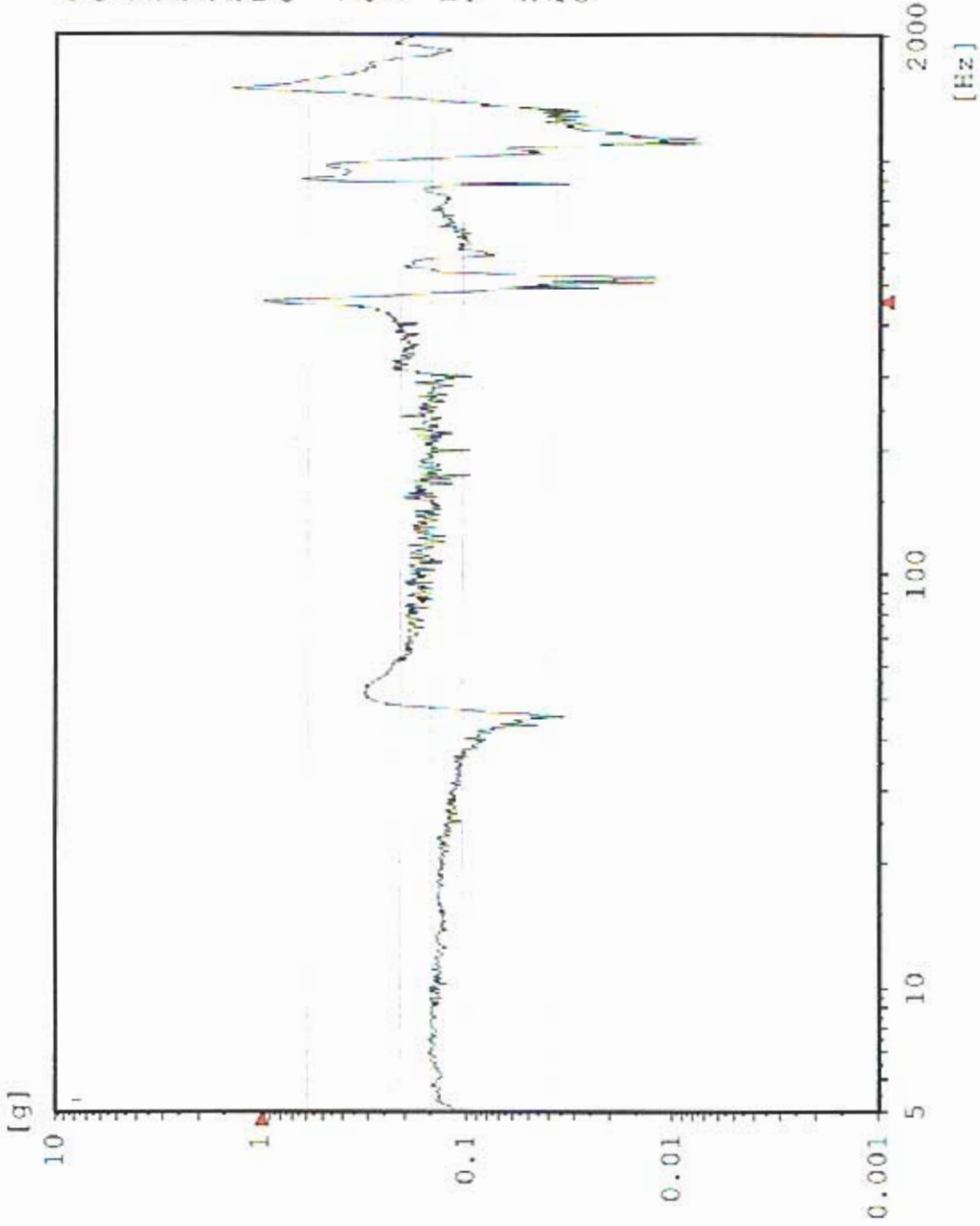
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:25:29

Z - axis Pre Random
 Acceptance Unit
 GLAT 1834

Sine AZ5 TEM Bottom Edge

Stanford Linear Accelerator
J/N 49995.51972
TEM / TFS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: Logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

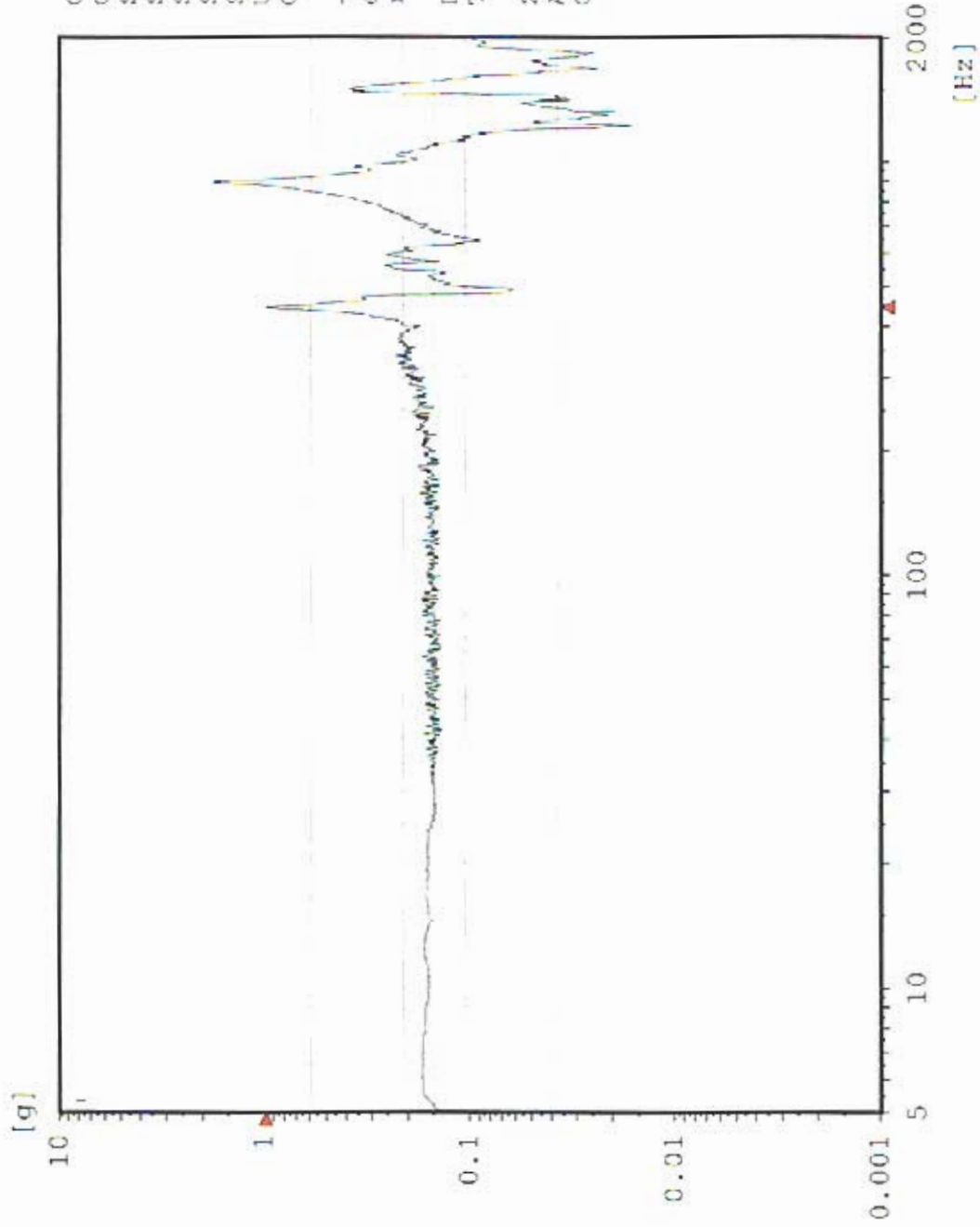
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:25:29

Z - axis Pre Random
 Acceptance Unit
 GLAT 1834

Sine AZ1 TPS Edge Center

Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 6
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:25:29

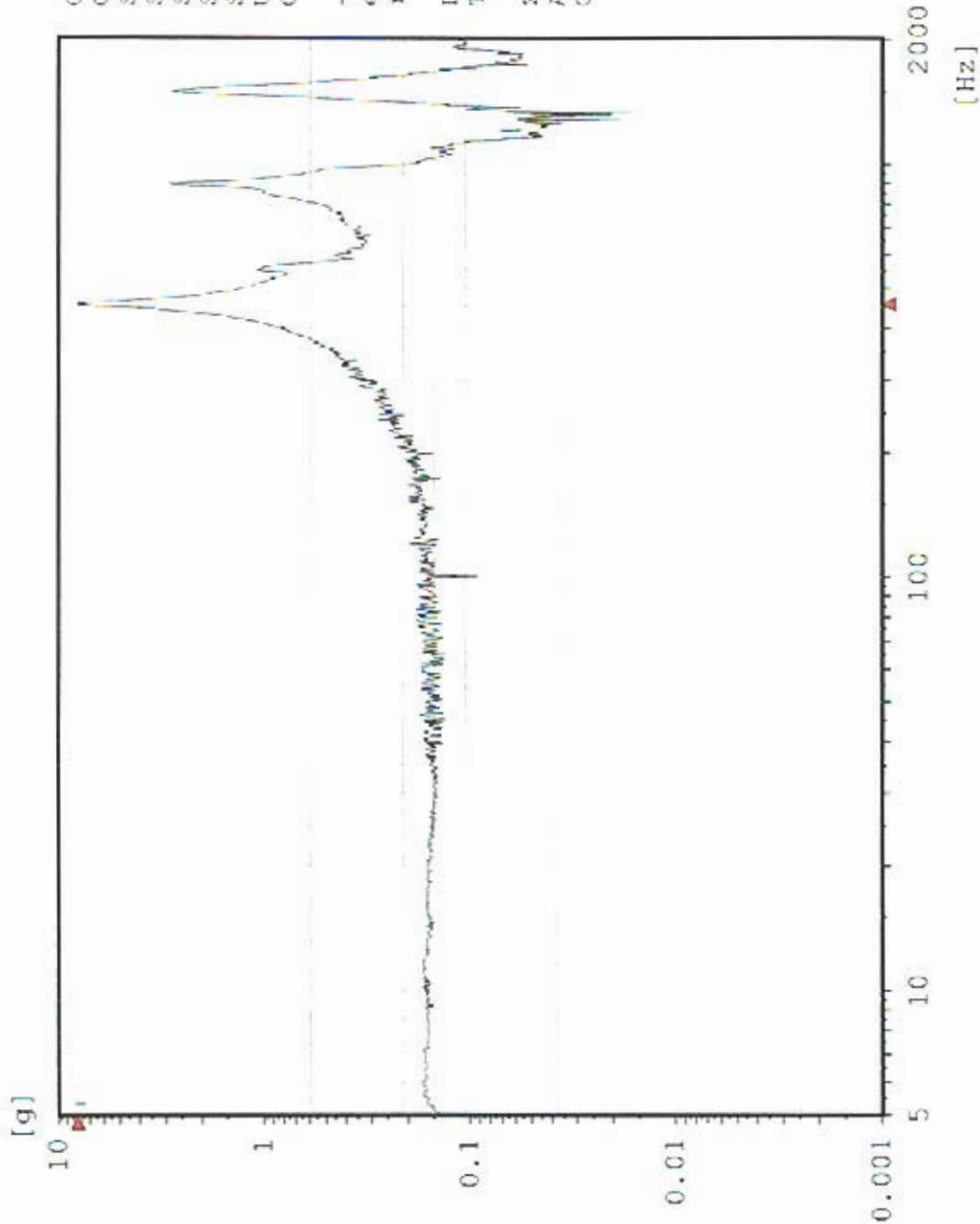
Z - axis Pre Rancor
 Acceptance Unit
 GLAT 1834

Sine AZ6 TEM Bottom Center

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 8
 Chan.type: X Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

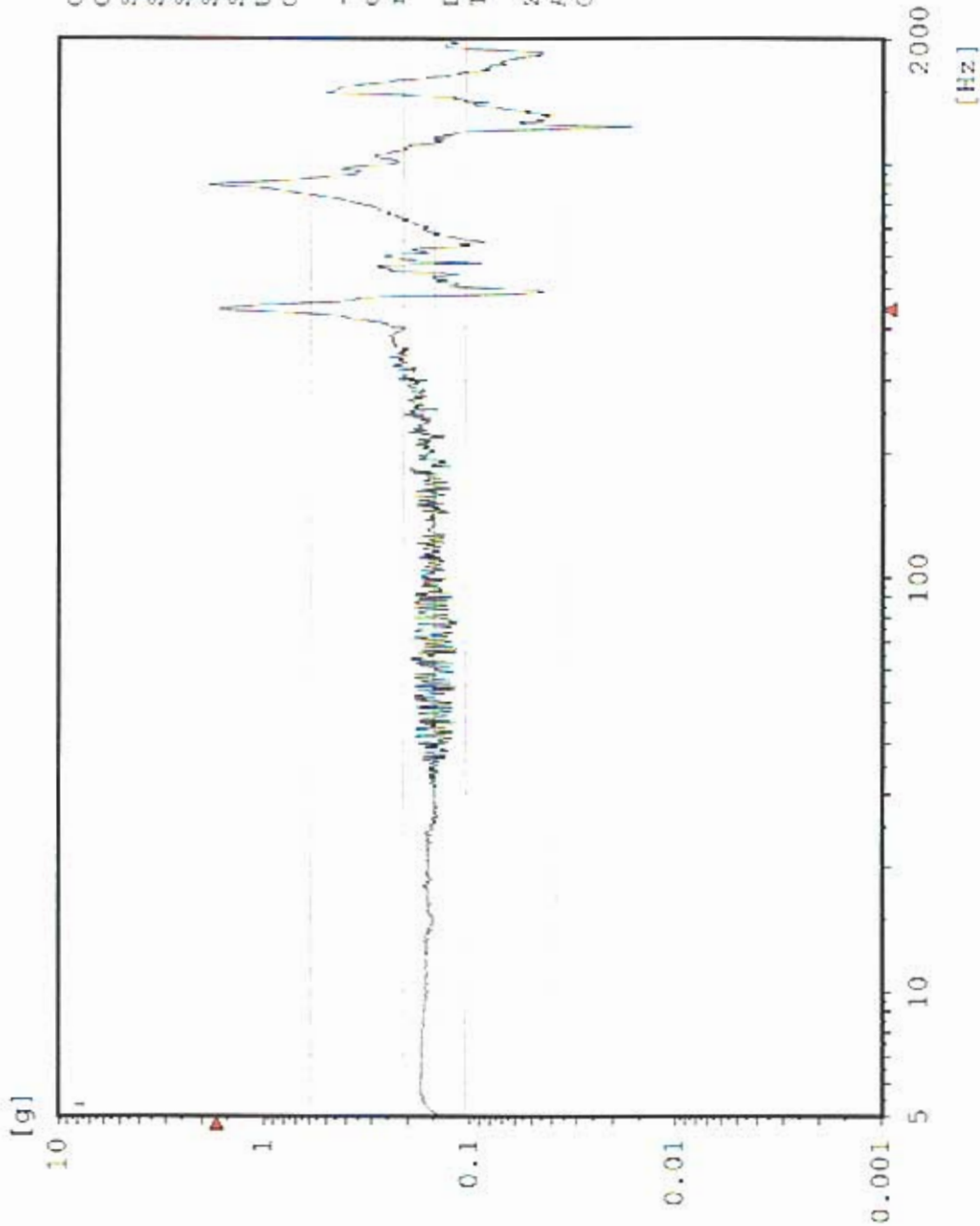
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:25:29

Z - axis Pre Random
 Acceptance Unit
 GLAT 1834

Sine AZ2 TPS Corner

Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 10
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:25:29

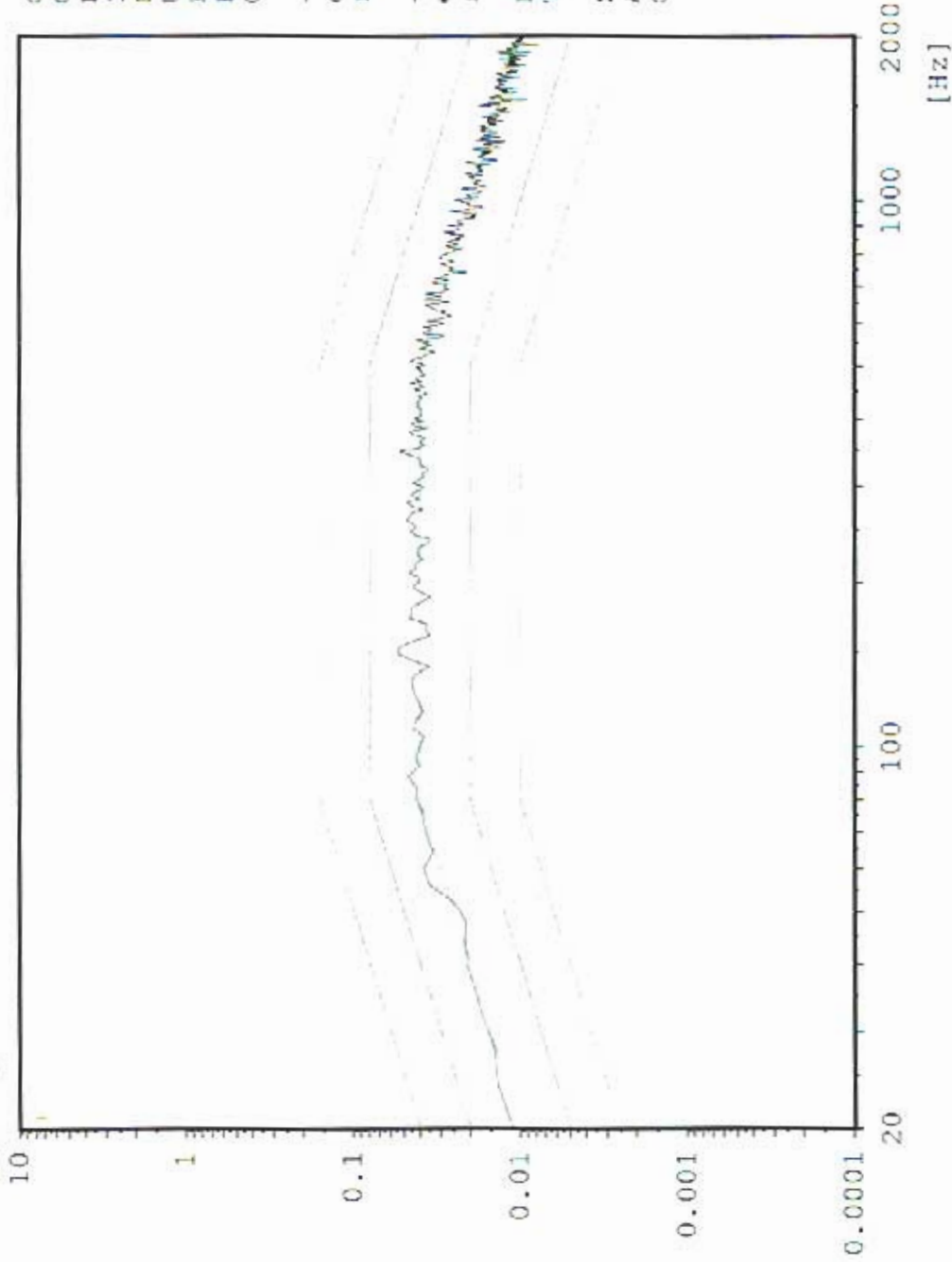
Z - axis **PRE**
 Acceptance Unit:
 GLAT 1834

CZ1 Z-Axis Control

Random
Stanford Linear Accelerator
J/N 49995.5:972
TEM & TPS



[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.878 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act., level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 05-11-05
Time: 21:33:16

Z - Axis
Acceptance Unit
GLAT 1834

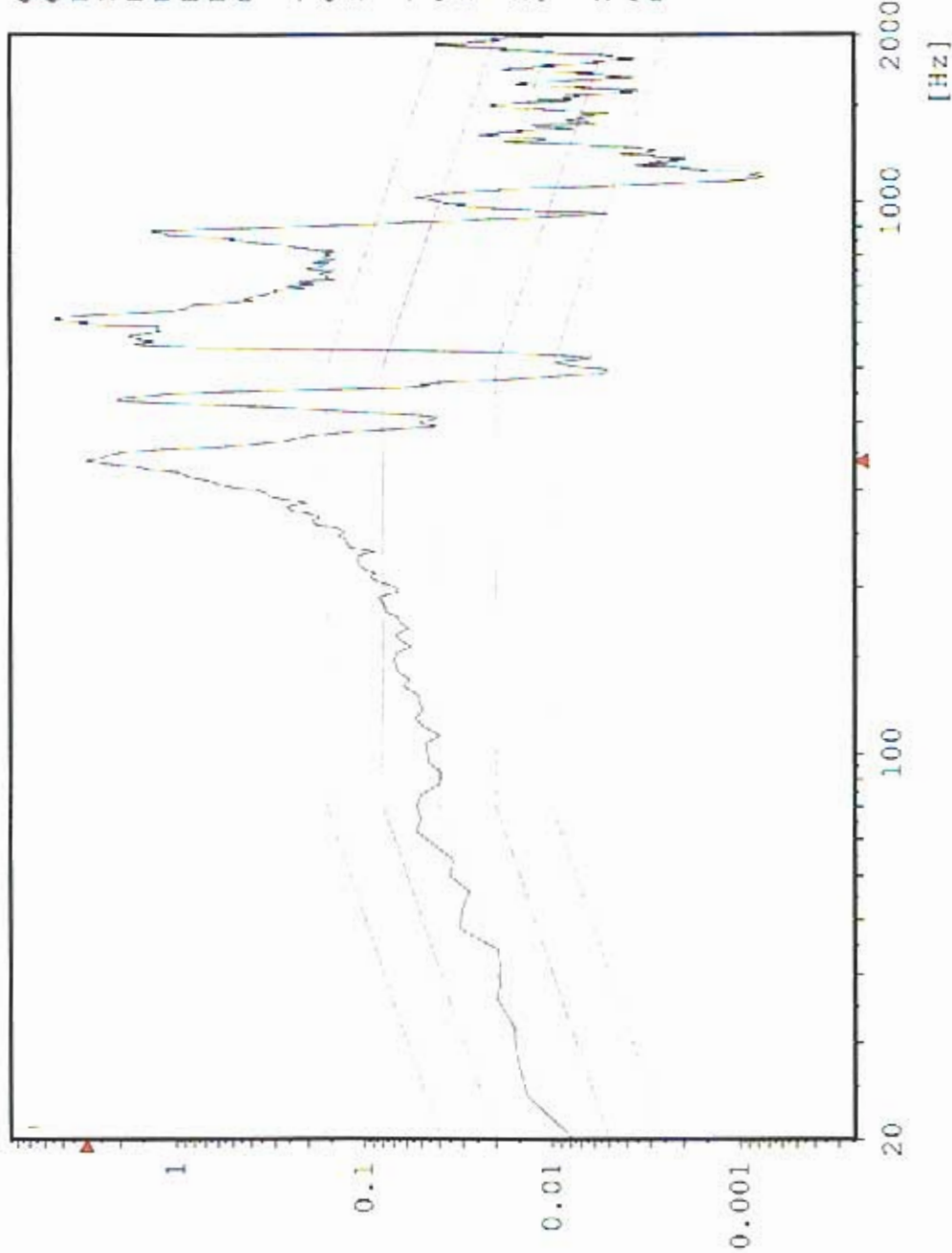
Cursor: 340 Hz 3.013 g'/Hz

Random AZ4 TPS Boss 2

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 2
Chan.type: X
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 21.69 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 05-11-05
Time: 21:33:16

Z - Axis
Acceptance Unit
GLAT 1834

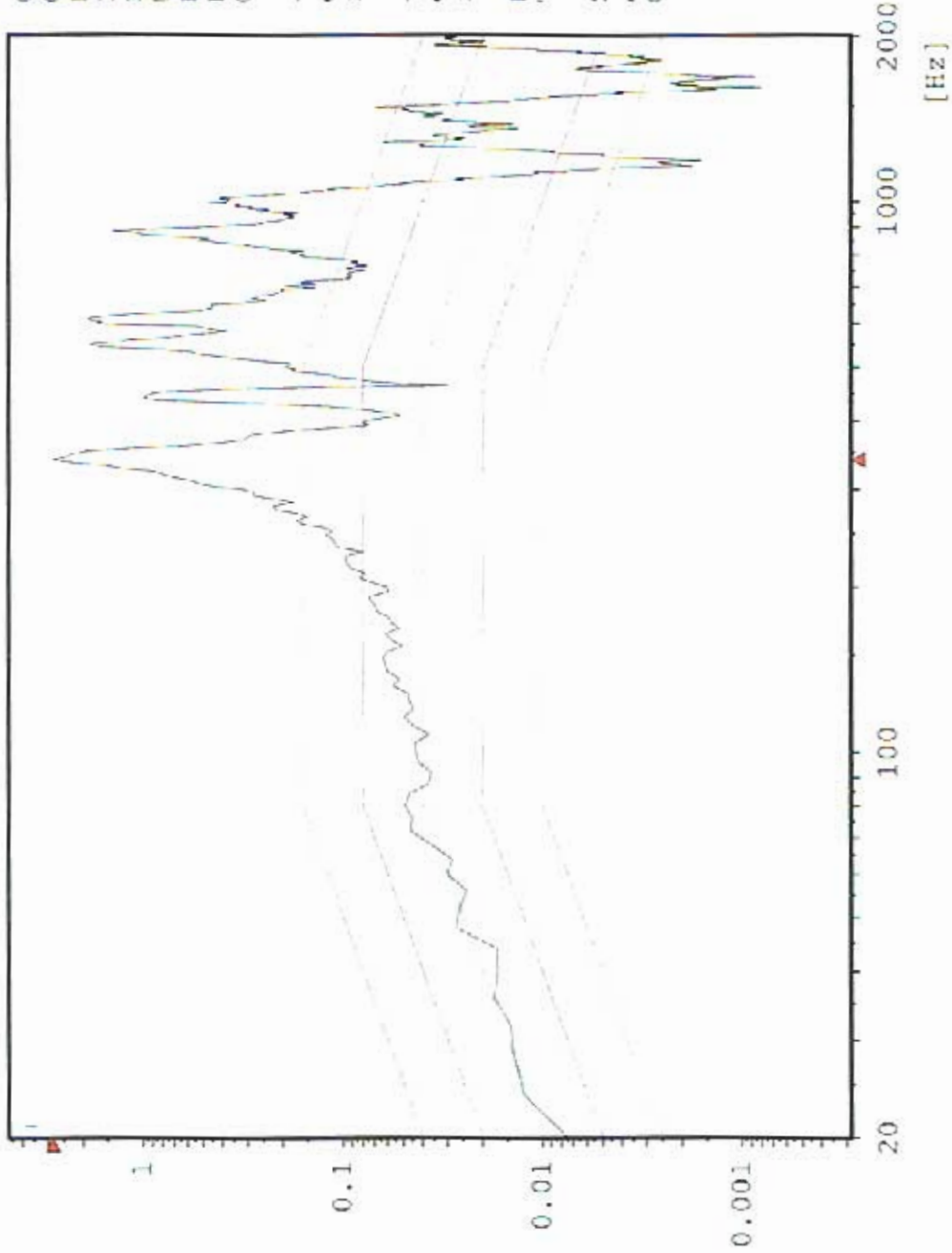
Max: 340 Hz 2.841 g²/Hz

Random AZ3 TPS Boss 1

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 3
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 20.22 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:--

-- Time total --
elapsed: 000:02:55
remaining: 000:00:--

Date: 05-11-05
Time: 21:33:16

Z - Axis
Acceptance Unit
GLAT 1834

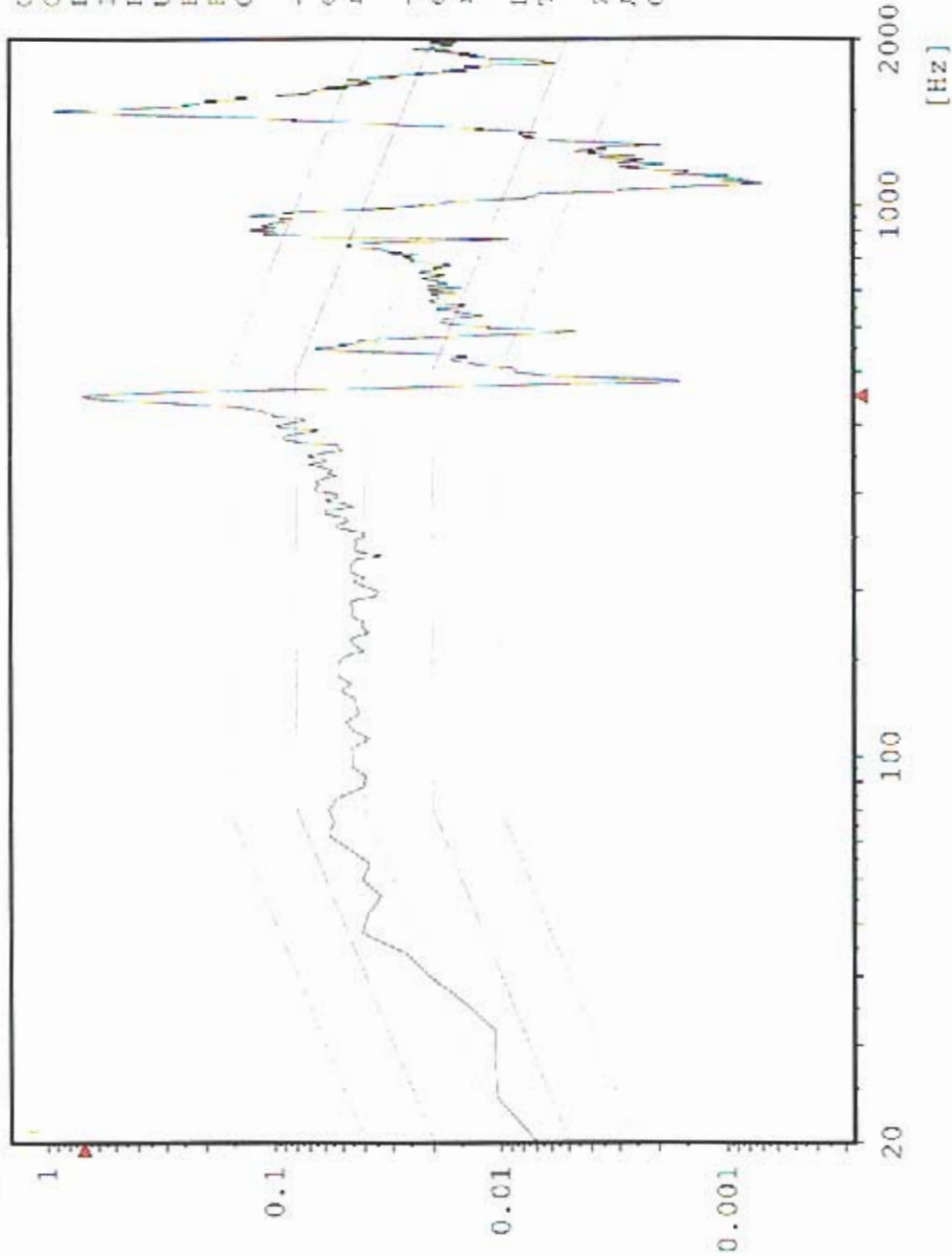
Cursor: 452 Hz 0.6965 g²/Hz

Random AZ5 TEM Bottom Edge

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 5
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 10.83 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 05-11-05
Time: 21:33:16

Z - Axis
Acceptance Unit
GLAT 1834

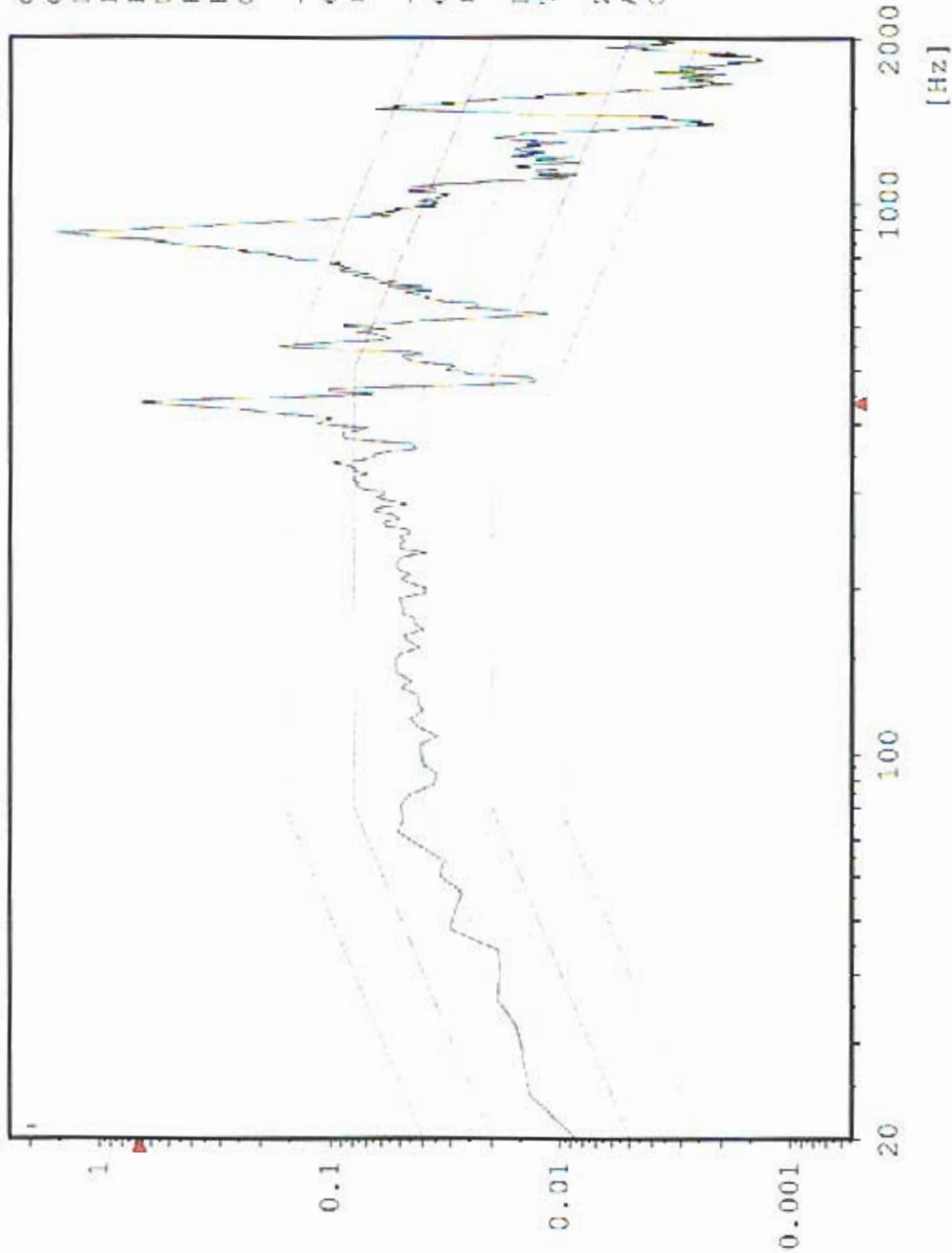
Cursor: 436 Hz 0.6783 g²/Hz

Random AZ1 TPS Edge Center

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 6
 Chan.type: M
 DOP: 100
 Level: 6.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 12.03 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:01
 remaining: 000:00:-1

-- Time total --
 elapsed: 000:02:55
 remaining: 000:00:-1

Date: 05-11-05
 Time: 21:33:16

Z - Axis
 Acceptance Unit
 GLAT 1834

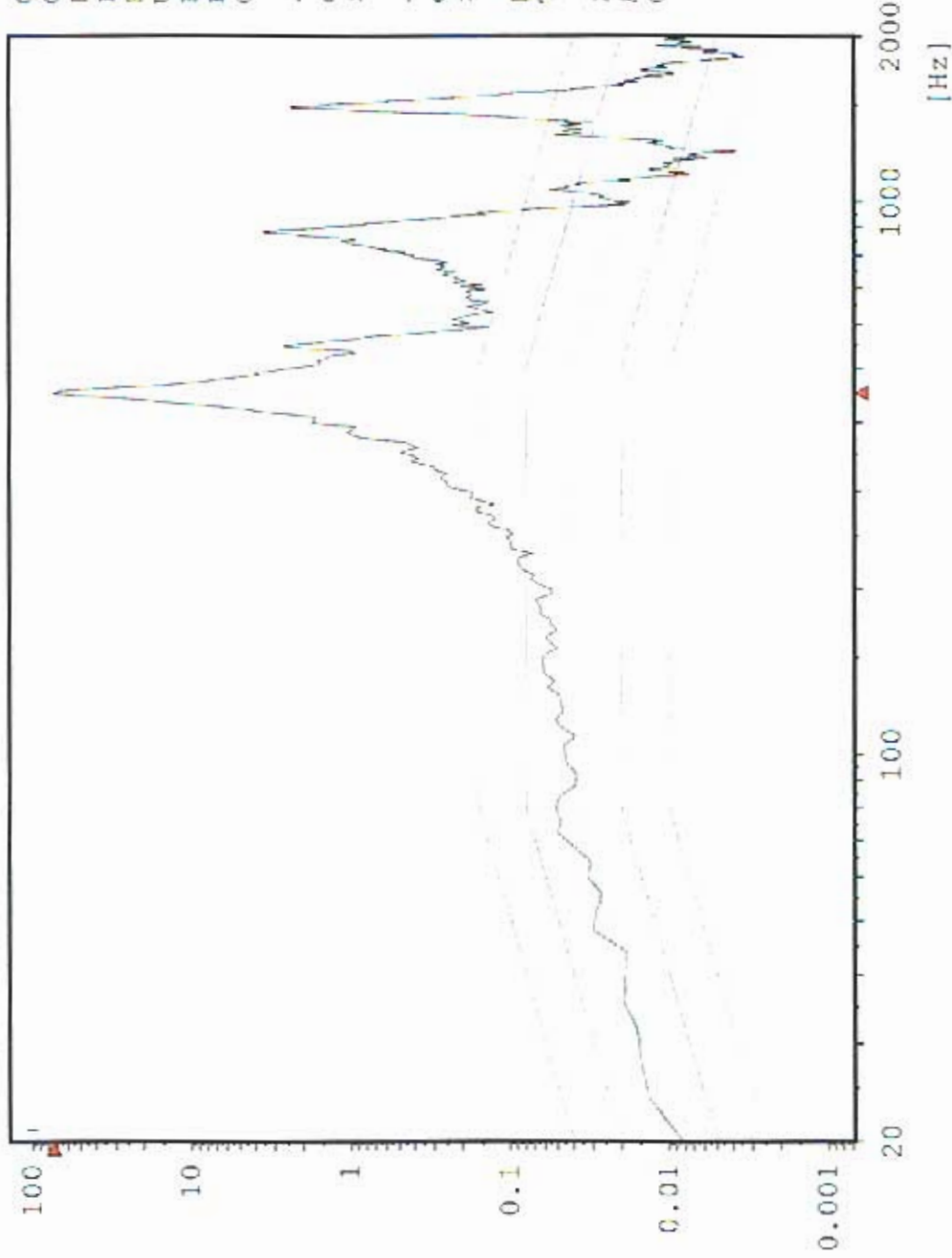
Max: 452 Hz 73.9 g²/Hz

Random AZ6 TEM Bottom Center

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 8
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 47.43 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 05-11-05
Time: 21:33:16

Z - Axis
Acceptance Unit
GLAT 1834

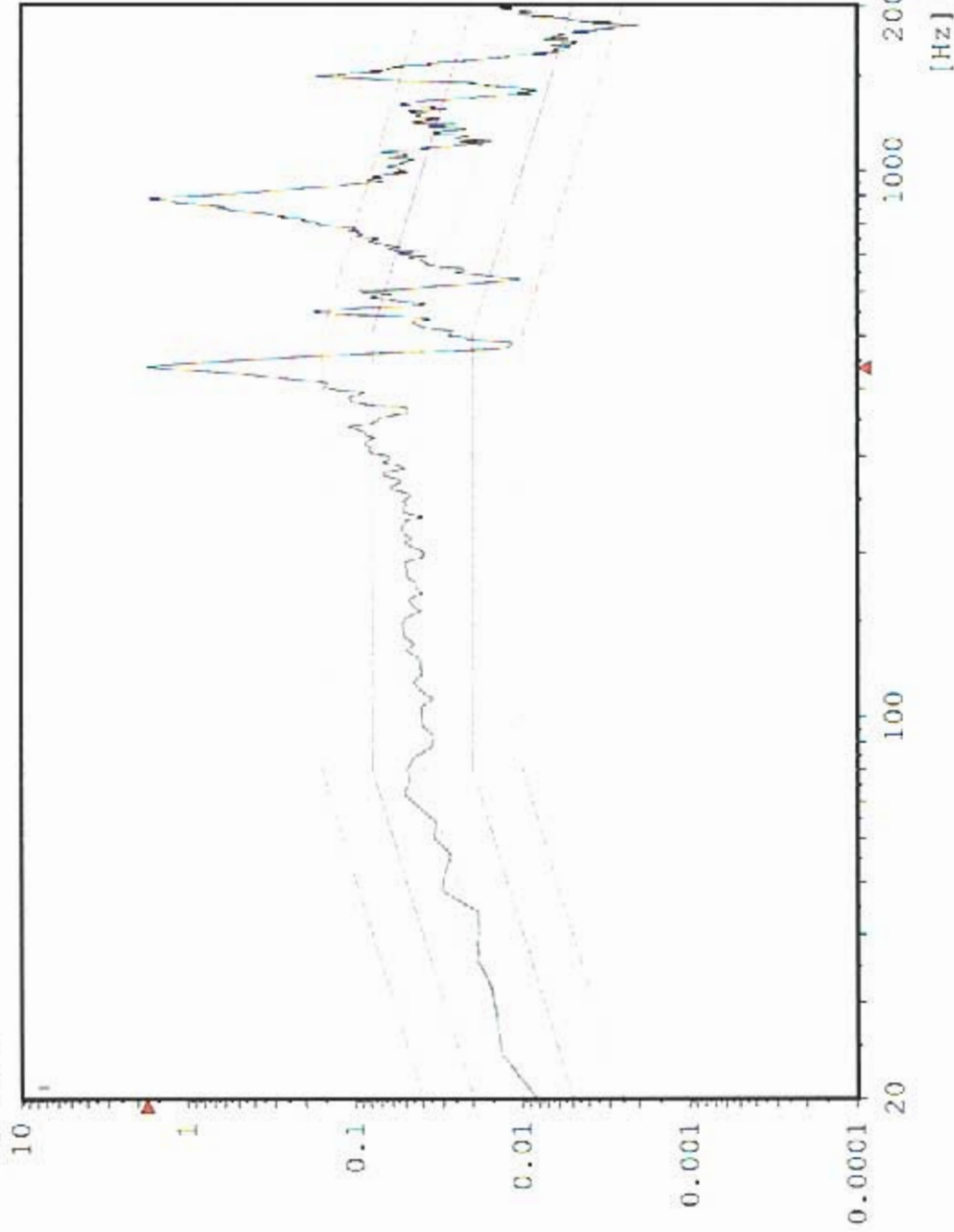
Max: 436 Hz 1.783 g²/Hz

Random AZ2 TPS Corner

Stanford Linear Accelerator
J/N 49995.51972
TEM & TPS



[g²/Hz]



Chan.no: 10
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 13.87 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 05-11-05
Time: 21:33:16

Z - Axis
Acceptance Unit
GLAT 1834

Sine CZ1 Z-Axis Control

Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS

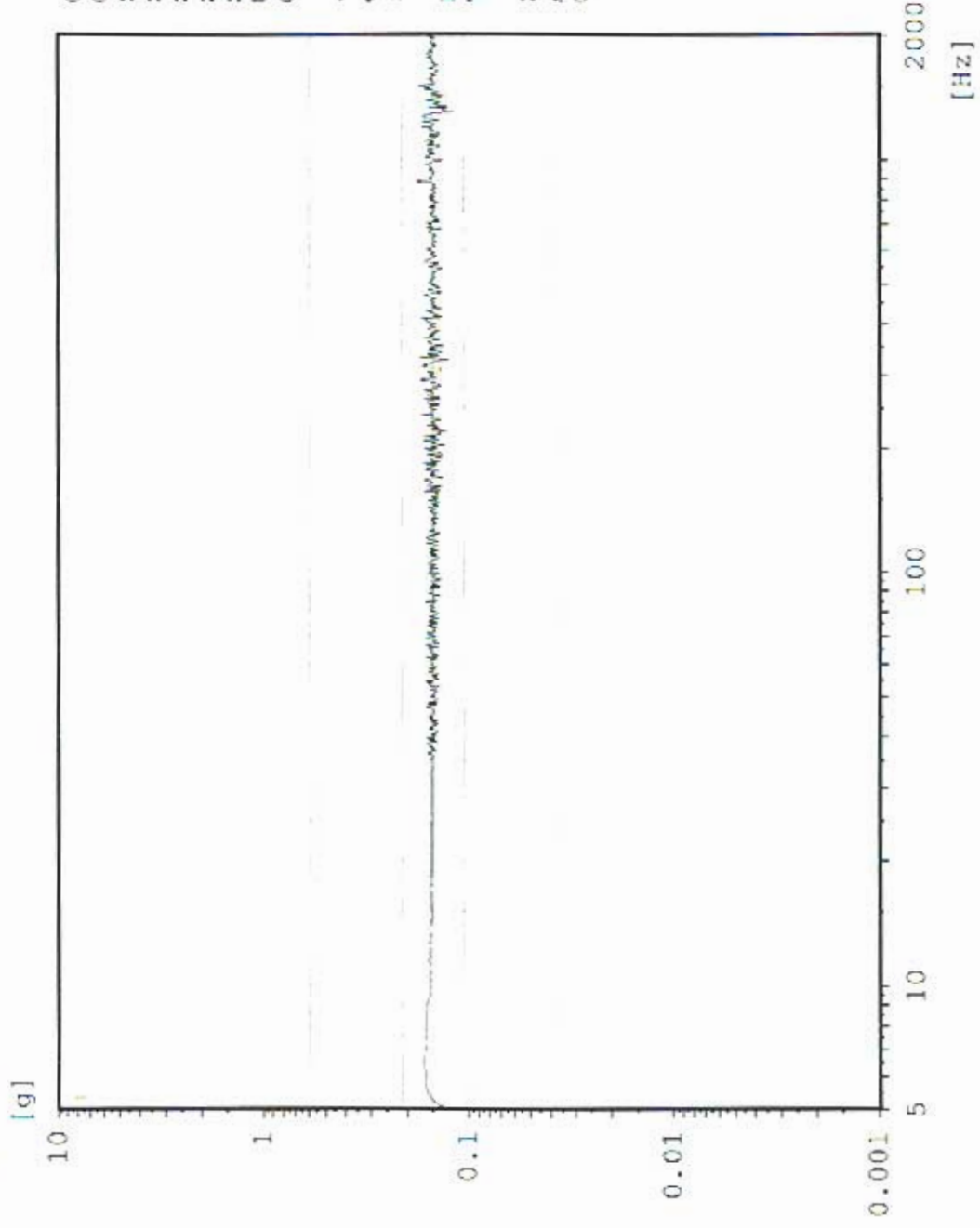


Char.no: 1
Char.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

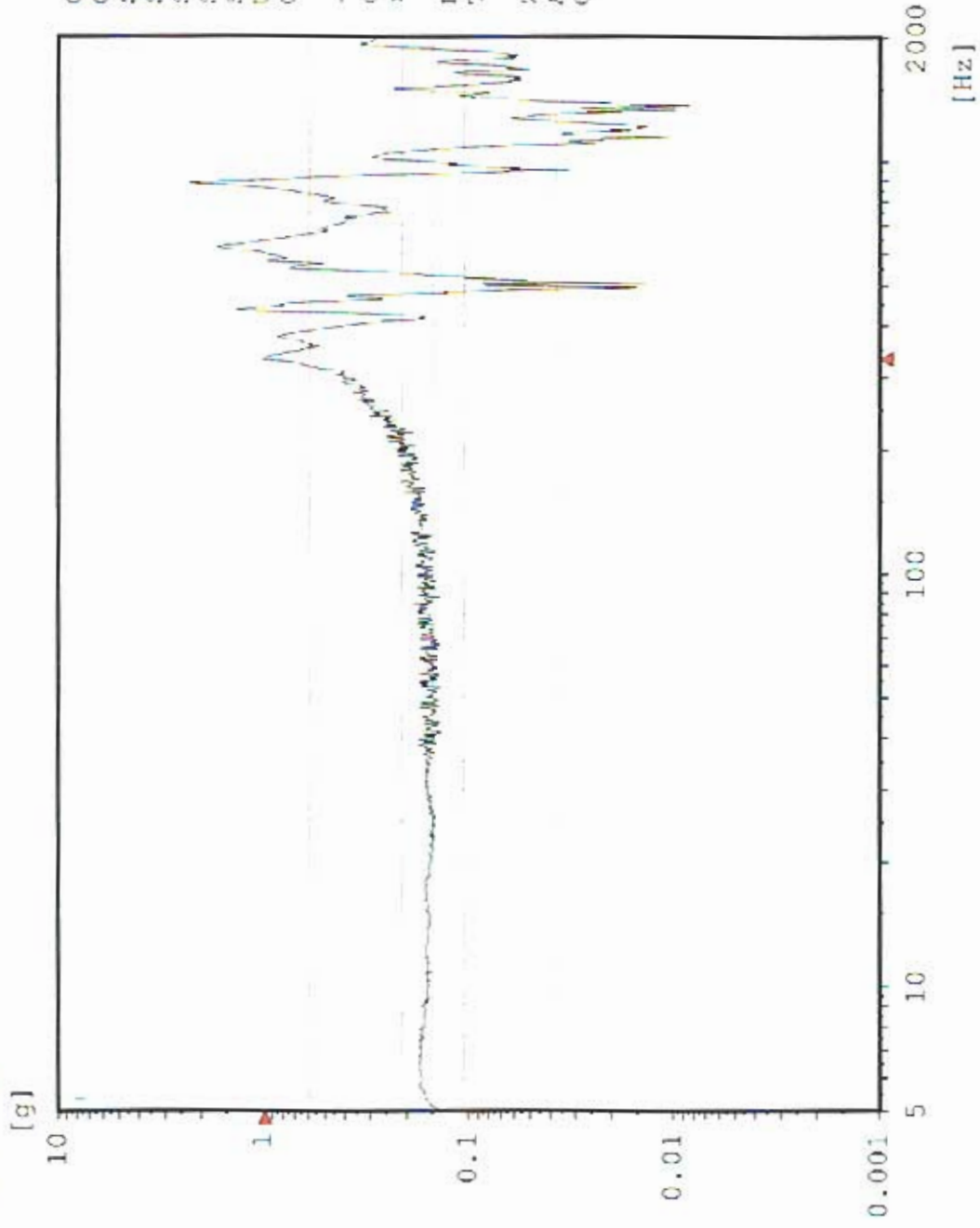
Date: 05-11-05
Time: 21:42:03

Z - axis Post Random
Acceptance Unit
GLAT 1834



Sine AZ4 TPS Boss 2

Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

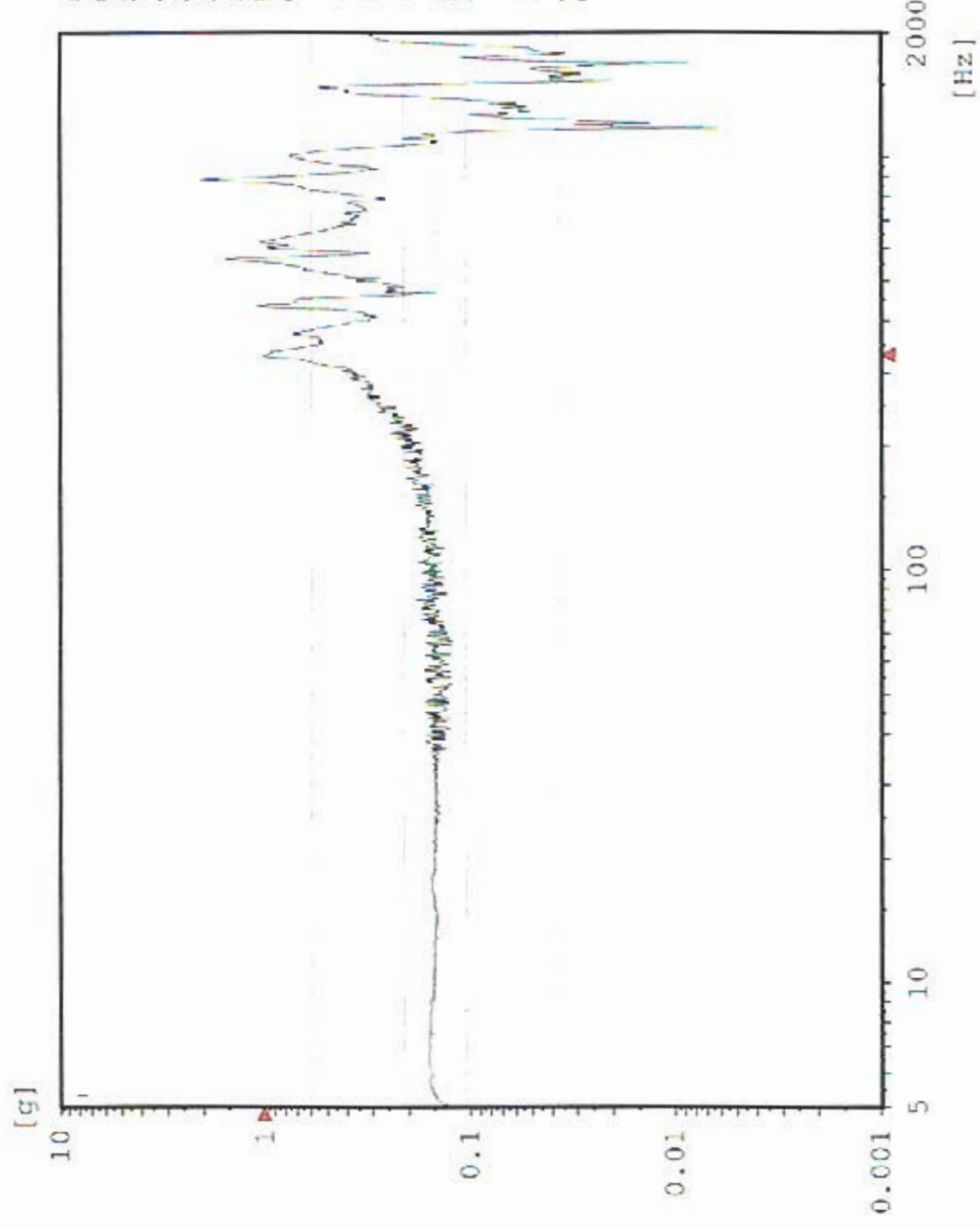
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:42:03

Z - axis Post Random
 Acceptance Unit
 GLAT 1834

AZ3 TPS Boss 1

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEM / TPS



Chan.no: 3
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00
 Date: 05-11-05
 Time: 21:42:03

Z - axis Post Random
 Acceptance Unit
 GLAT :834

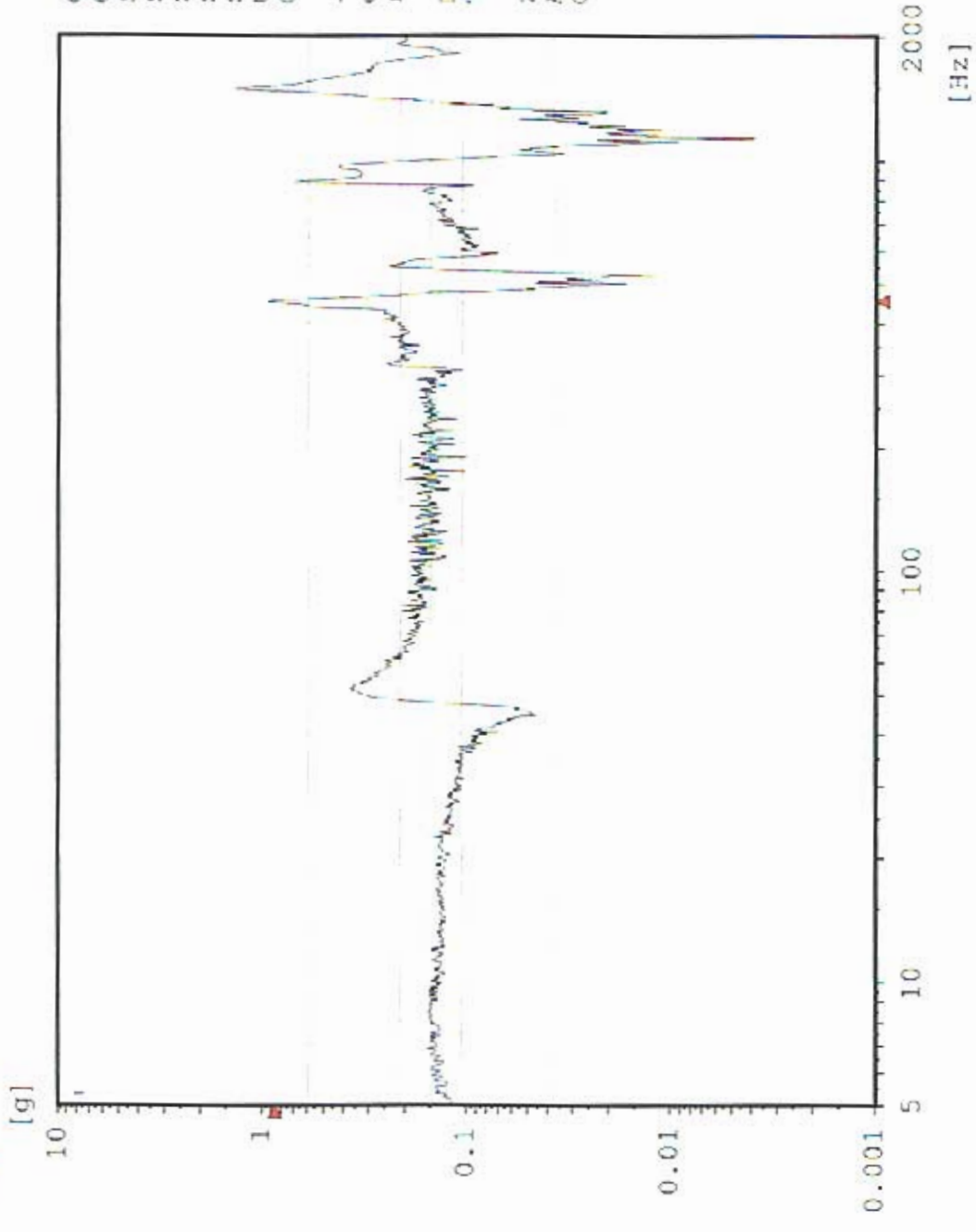
AZ5 TEM Bottom Edge

Sine

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:42:03

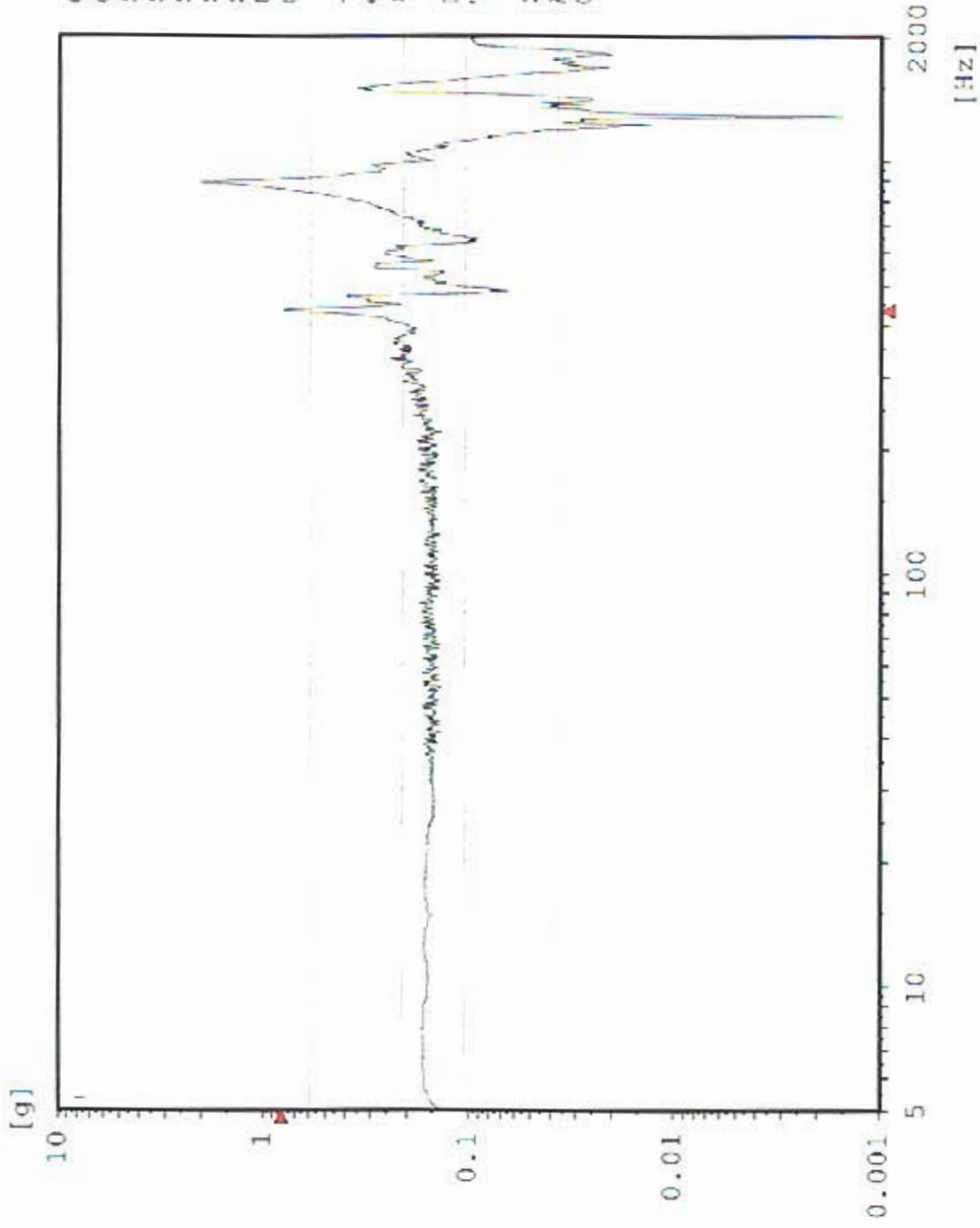
Z - axis Post Random
 Acceptance Unit
 GLAT 1834

Sine AZ1 TPS Edge Center

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 6
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:42:03

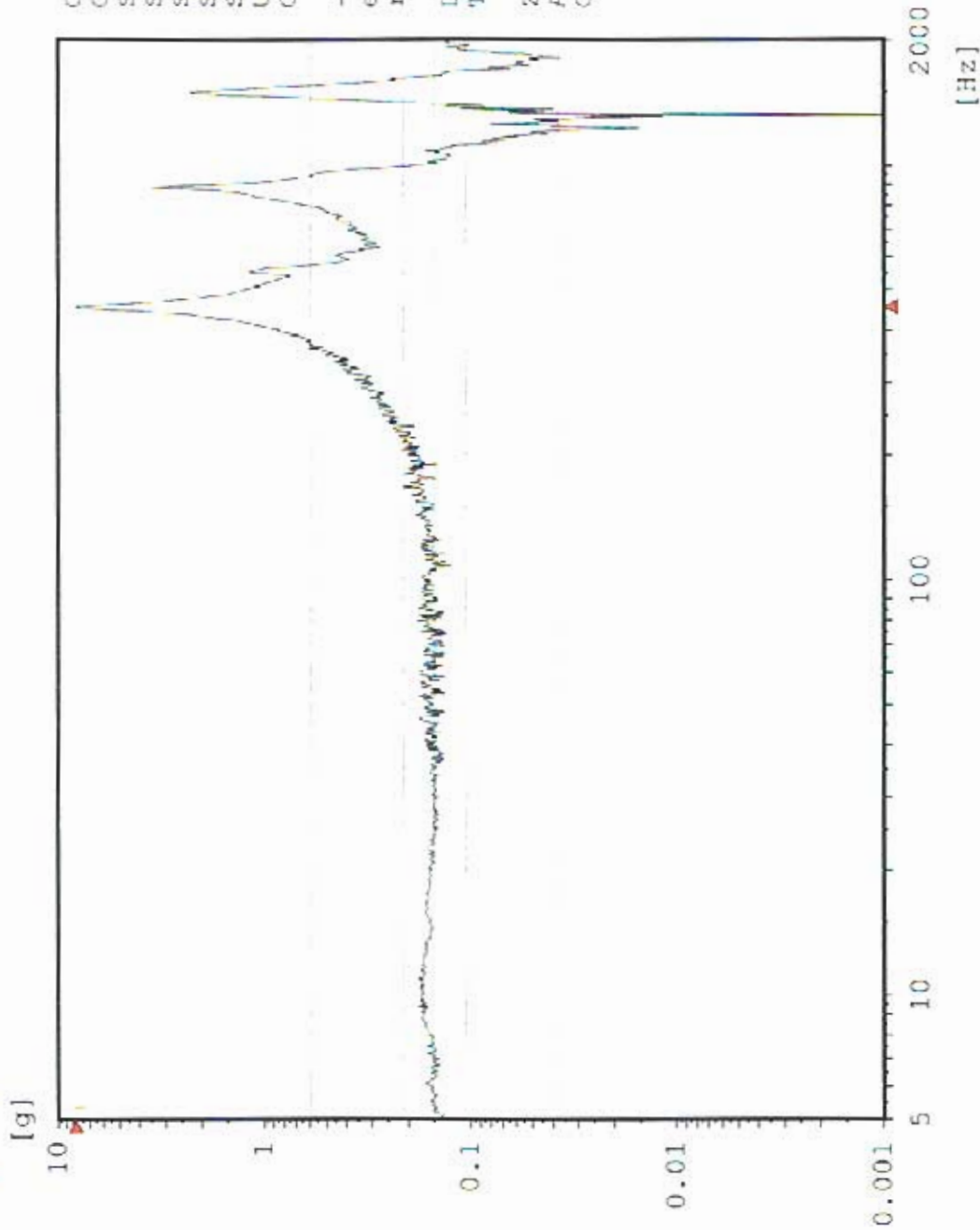
Z - axis Post Random
 Acceptance Unit
 GLAT 1834

Sine AZ6 TEM Bottom Center

Stanford Linear Accelerator

J/N 49995.51972

TEM / TPS



Chan.no: 8
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-11-05
 Time: 21:42:03

Z - axis Post Random
 Acceptance Unit
 GEAR 1834

AZ2 TPS Corner

Sine
Stanford Linear Accelerator
J/N 49995.51972
TEN / TPS



Chan.no: 10
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct./min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-11-05
Time: 21:42:03

Z - axis Post Random
Acceptance Unit
GLAT 1834

